

# CITY OF READING, PENNSYLVANIA

RECEIVED EPA REGION III PUBLIC WORKS 503 N. 6<sup>TH</sup> STREET READING, PA 19601 (610) 655-6121

APR 0 1 2015

NPDES PERMITS BRANCH (3WP41)

# DEBORAH A. S. HOAG UTILITIES DIVISION MANGER

March 31, 2015

Mr. John Lovell (3WP41)
Office of Municipal Assistance
US Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia PA 19103-2029

Dear Mr. Lovell:

As required by the City of Reading's NPDES Permit Number PA0026549, the City is to submit an annual report covering developments of the City's Pretreatment Program. Enclosed please find the annual report covering the period of January 1, 2014 to December 31, 2014.

Please do not hesitate to contact me at 610-655-6121 should you have any questions on the report.

Thank you for your attention.

Sincerely,

Deborah A. S. Hoag, PE Utilities Division Manger

DASH/ts Enclosure

C: Ralph Johnson, P.E., Director of Public Works Jeffrey Hill, Environmental Program Coordinator File



# **CITY OF READING**

# ANNUAL PRETREATMENT REPORT



**REPORTING YEAR 2014** 

# PRETREATMENT PERFORMANCE SUMMARY General Information

	Control Authority Name: City of Reading WWTP	
	Address: 815 Washington Street	
	City: Reading State: PA	Zip: 19601-3690
	Contact Person: Deborah A.S. Hoag, P.E.	
	Contact Title: Utilities Division Manager	
	Contact Telephone Number: (610) 655-6121	
	E-mail address: Deborah.Hoag@readingpa.org	
	NPDES Nos: PA 0026549	
	Permit Issuance Date: 12/01/13	Expiration Date: 11/30/18
	Reporting Period: 1/1/14 to 12/31/14	•
	Total Categorical IUs (CIUs):	10
	Total "Middle Tier" CIUs (MTCIUs):	0
	Total Nonsignificant CIUs (NSCIUs):	0
	Total Significant Noncategorical IUs (SNIUs):	26
II.	Compliance Monitoring Program	
1.	No. of SIUs with Current Control Documents	36
	No. of SIU Facilities Inspected	
2. 3.	No. of SIU Facilities Sampled	
4.	No. of SIUs Submitting Self-Monitoring Reports	
1.	140. 01 0103 Submitting Sen Womtering Reports	
III.	Significant Industrial User Compliance	
1.	No. of SIUs Violating a Compliance Schedule/No.	On a Schedule 0/0
2.	No. of SIUs in SNC for the July to December Period	
3.	No. of SIUs in SNC At Any Time During Calendar	
4.	No. of SIUs in SNC That Were Also in SNC Durin	
	Calendar Year	_
5.	No. of NSCIUs that violated any standards or requi	
	1.0.01 1.00 1.00 1.00 1.00 1.00 1.00 1.	
IV.	Enforcement Actions	
1.	Notices/Letters of Violation Issued to SIUs	62
	Enforcable Compliance Schedules Issued to SIUs	
2. 3.	Civil/Criminal Suits Filed	
4.	No. of SIUs from which Penalties have been Collect	
5.	Other Actions (sewer bans, etc.)	
Ι	certify that the information contained in this repo	ort and attachments is
compl	ete and accurate to the best of my knowledge. (See F	Part B.V of the instructions)

Deborah A. S. Hoag, P.E.

Name of Authorized Representative

Mark Market Signature

I.

<u>Utilities Division Manager</u> Title (Print)

March 30, 2015

Date

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APR U 1 2015

IPDES PERMITS DRAWCH (3WP41)

#### **Pretreatment Annual Report**

#### Part A – Pretreatment Performance Summary

#### I – General Information

Significant Users

At the end of the reporting period, the City of Reading had 36 significant industrial users, classifying 10 as categorical users and 26 as non-categorical users. Last year the City reported the same number of categorical and non-categorical users. All 36 of the users have current permits.

A new permit was written for Dairy Farmers of America with no changes made.

A new permit was written for Packaging Corporation of America. No changes were made.

A permit was written for Bimbo Bakeries, USA. The company's name was changed from Orograin Bakeries after a sale and change in ownership at the beginning of 2014. No changes in product, manufacturing, or personnel occurred because of the sale of the company. No other changes were made.

A new permit was written for Termaco USA, Inc. There were no changes made to the permit.

A new permit was written for Prizer Painter Stove Works, Inc. The company proposed to add a second shift. The permit reflected the change in hours but, since there would be no increase in the amount of metal prepared and the increase in water discharge is not expected to be very large, the company was not reclassified as a categorical industry.

A new permit was written for Reading Plating and Polishing Works, Inc. Changes were made to some of the categorical limits because a small increase in the volume of wastewater discharge occurred since the last time the permit had been renewed. No other changes were made.

A new permit was written for IFS Industries, Inc. No changes were made.

A new permit was written for Evergreen Community Power with no changes made.

No changes were made in the new permit written for Crescent Brass Manufacturing Corporation.

A new permit was written for Savor Street Foods, Inc. which changed the company name from The Bachman Company. The name change is due to the company being sold earlier in the year. No other changes were made to the permit.

A new permit was written for National/Yorgey's Cleaners with no changes made.

A permit was written for Reading Eagle Company with no changes made.

A permit was written for Tom Sturgis Pretzels with no changes made.

Non-Significant Users

The City also has 13 users classified as non-significant due to their minor flows and/or the low probability of potential problems.

A new permit was written for Allegheny Technologies Incorporated. This permit is for a groundwater remediation project to be built on an abandoned industrial site in a suburb of Reading. An amended permit was issued for TDY Industries LLC. This new permit changed the name on the permit from Allegheny Technologies Inc on the previous permit with the contact name and address remaining the same.

An amended permit was written for Akzo Nobel Coating, Inc R & D Lab to reflect the fact that the authorized representative had changed. There were no other changes.

A new permit was written for Remcon Plastics, Inc. There were no changes made.

A permit was written for Liberty Environmental, Inc. This company is an environmental consulting firm representing a local mini market which sells gasoline. The store is making plans to construct a groundwater remediation system on their property after groundwater testing revealed contamination consisting of the usual chemicals associated with gasoline and other petroleum products.

A new permit with no changes was written for Pennsylvania Truck Center, Inc.

A permit was written for Penske Truck Leasing Co. L.P. which stipulated that the company test all parameters in April 2015 and again in April 2017. No other changes were made.

#### II - Compliance Monitoring Program

Appendix 2 provides a listing with issuance and expiration dates for all significant and non-significant user control documents along with the number of inspections, sampling visits and self-monitoring events required and conducted during the year. The City uses permits for its control mechanism for significant and non-significant users. All 36 significant industrial users have current control documents. All permits are individual. According to permit Part V Section K, permits are administratively extended upon receipt of a permit renewal application "ninety (90) days prior to the expiration of the user's existing wastewater discharge permit." Once the user has reapplied, the existing permit "shall remain in effect until a new permit is issued."

No general control mechanisms (permits) are used. For CIUs, the City has not assigned mass based limits in place of concentration based categorical limits. For CIUS, the City has not assigned concentration based limits in place of mass based categorical limits. The City has not granted a monitoring waiver for any CIU for any categorically regulated pollutants in accordance with 40 CFR 403.12(e)(2).

All 36 significant industrial users were inspected during the year. The City requires self-monitoring for all of its significant industrial users. For one industrial user, Bimbo Bakeries USA, Inc., formerly Orograin Manufacturing Bakeries, the City performs all of the testing for one parameter only. The City performs all testing for color in its own laboratory. The industry is required to do self-monitoring for all other parameters. This decision was based on the results of a split sample study performed in 2007. The City understands that any violation for color in its testing requires a resampling within 30 days in accordance with the Pretreatment Regulations.

Beginning with permits issued effective April 1, 2010, other items in the June 28, 2006 letter addressing the last EPA audit of the City's Pretreatment Program were also addressed. These permits include a limit for free cyanide. A number of these permits do not require testing for free cyanide. This determination was made based on a data review, facility inspections and documents from the company demonstrating that there is no reasonable potential for violation of the local limit for free cyanide and is documented in each permit. However, testing for free cyanide was added to some of the permits. If self-monitoring for any other local limits pollutants is not required twice a year in these permits, documentation based on a data review and facility inspections is included in each permit demonstrating that there is no reasonable potential for violation of the local limit for these particular pollutants. These permits contain an explanation for the number of grab samples required for those pollutants that require sampling in this manner. They also contain an explanation for the requirement for sampling in certain months of the year.

Beginning with permits issued effective April 1, 2010, the following permit conditions are included as sent to the EPA in April 2010:

#### D. Other Permit Conditions

The permittee shall notify the City immediately of any changes at the facility affecting the potential for a slug discharge. A slug discharge is any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge, which has a reasonable potential to cause interference or pass-through, or in any other way violate the POTW's (publicly owned treatment works) regulations, local limits or permit conditions.

The Permittee shall maintain or provide documentation demonstrating compliance with the best management practices listed below.

•	A Spill Prevention and Control Pla	an (Accidental Discharge/Slug Control Plan) that has
	been submitted to the City for app	roval must be maintained and implemented by the
	Permittee. A plan entitled	, dated
	and signed	was submitted to the City for approval. The
	Permittee is required to maintain a	and implement this plan at its facility.

All 36 significant industrial users were inspected and sampled by the City during the year. City sampling of significant users varies from monthly to annually. Exide Technologies – Plant One had been sampled on a quarterly basis by the City. The City discontinued testing in the second half of 2010. Production in this building ceased on June 7, 2010 followed by cleanup of the production areas. The company continued sampling as required by permit. The discharge from the building is sanitary only. The closure resulted in minimal usage of the building facilities.

The majority of the building along with the major employee facilities is shut down and not accessible. Exide Technologies – Reading Recycling continues to be certified quarterly that there is no discharge.

Significant users are required to submit self-monitoring reports at varying frequencies but not less than twice per year. All significant industrial users submitted all required self-monitoring reports during the year. Some industries were cited and fined for submitting late reports during 2014, but all reports were ultimately received. The industries cited were: Crescent Brass Manufacturing Corporation (two citations for late reports), Crossroads Beverage Group, Interstate Container (three citations for late reports), Sealed Air Corporation, Sun Rich Fresh Foods Inc. (two citations for late reports), and Sweet Street Desserts, Inc. Ten industries were cited for failure to report violations upon discovery prior to submitting their self-monitoring reports: Car Wash Partners dba Mister Car Wash, Clover Farms Dairy, Crescent Brass Manufacturing (two citations for failure to report), IFS Industries (two citations for failure to report), National/Yorgey's Cleaners, Penske Truck Leasing, Prizer Painter Stove Works, Summit Steel and Manufacturing, and Termaco USA. Car Wash Partners dba Mister Car Wash, Crescent Brass Manufacturing (two citations), Summit Steel and Manufacturing, and Termaco USA were cited for failure to resample following a violation per their permit conditions. All of the companies that were cited for either failure to report and/or failure to resample were in SNC for some portion of 2014 for the above reasons plus the violations themselves.

During the year, the City conducted sampling in excess of the proposed amount at a number of facilities to assess compliance after violations. A number of facilities conducted self-monitoring above the required amount for the same reason. These events were done at the facility's initiative or voluntarily following the City's request. The Increased Industrial Sampling spreadsheet shows details of this and is included in Appendix 3. The number of additional sampling events on this spreadsheet does not always correspond with the Compliance Monitoring spreadsheet in Appendix 2 that covers all sampling events for the year. This is because City sampling events for issues other than compliance (additional sampling for conventional pollutants for surcharge billing) are not included in the Increased Industrial Sampling spreadsheet. In some cases, the City or the industry tested for additional parameters during a required or scheduled sampling event. In this case, the additional sampling performed column has been left blank and only the tests are listed. Required industrial resamples following violations are not included on any of the spreadsheets. Separate spreadsheets are included for significant industrial users and nonsignificant industrial users. The Increased Industrial Sampling spreadsheet notes any formal changes in sampling frequency with new permits. These are instances where the industrial user's permit or the City's SOP for an industrial user was changed to increase the frequency of testing for a parameter of concern.

While not required to report on non-significant industrial users, the City has always included this information in the Annual Report. All discharging non-significant industrial users were sampled by the City during the year, except Ultra Wash of Philadelphia. Ultra Wash of Philadelphia is permitted for possible batch discharge only and therefore monitoring by the City is not planned. City sampling of non-significant users varies from quarterly to annually with the exception of Ultra Wash of Philadelphia.

Non-significant users are required to submit self-monitoring reports at varying frequencies but not less than once a year. Ultra Wash of Philadelphia is required to report quarterly on whether there has been a discharge to the sewer system. All non-significant industrial users submitted all required self-monitoring reports during the year. Ultra Wash of Philadelphia was cited for a late report. The 1<sup>st</sup> quarter self monitoring report was submitted after the due date. Van Bennett Foods was cited for three late reports and two failures to resample. Van Bennett was in SNC due to the failures to resample as well as the high test results. They were not in SNC as of the end of the year.

Three non-significant industrial users were cited for filing late reports. They are Unique Pretzel Bakery, Van Bennett Food Company (two citations), and WORLD electronics. Two non-significant industrial users were cited for Failure to Report violations. The users were Penske Truck Leasing, and Van Bennett Food Company. Van Bennett Food Company was also cited for Failure to Resample.

#### III - Significant Industrial User Compliance

#### Compliance Schedules

There are no significant users on a formal compliance schedule as of the end of 2014.

#### List of significant users in SNC anytime in 2014

An explanation of the individual facilities, both significant and non-significant, in SNC during the reporting year follows below. The number of SIUs in SNC at any one time during the calendar year was 6. The number of SIUs in SNC for the July to December Period (fourth quarter) was 3. 6 of the 8 SIUs that were in SNC during the calendar year were in SNC for one quarter only. 4 of these 8 SIUs were in SNC for the administrative aspect of Failure to Report. Only 2 SIUs were in SNC for more than one quarter. Both of these companies have taken measures to solve their non-compliance issues. One has taken steps to resolve the problem by changing their method of cleaning and the amount of soap used to clean after consulting with a representative of the company that supplies them with soap. Testing done since changes were made has thus far proven inconclusive as the company remains in SNC. The other industry has had no further sampling so no conclusion can be made as to the success of their efforts to solve their issues.

The table below summarizes SNC by quarter. The first column shows the number of SIUs in SNC for the quarter. The second column shows the number of SIUs that were also in SNC for the previous quarter. The third column shows the number of new SIUs in SNC (not in SNC in the previous quarter). The fourth column shows the number of SIUs that were in SNC in the previous quarter but were not in SNC for the current quarter (returned to compliance or inconsistent noncompliance).

2014	SNC	SIUs in Repeat SNC	New SIU in SNC	SIUs that Returned to Compliance
1 <sup>st</sup> quarter	0	0	0	1
2 <sup>nd</sup> quarter	6	0	6	0
3 <sup>rd</sup> quarter	2	1	1	5
4 <sup>th</sup> quarter	3	2	1	0

The table below shows the compliance status of the SIUs by quarter for the 2014 year. The number of SIUs in the first column had no violations for the quarter. The number of SIUs in the second column had violations that did not result in SNC. The number of SIUs in the third column had violations resulting in SNC.

2014	Compliance	Inconsistent Noncompliance	SNC
1 <sup>st</sup> quarter	30	6	0
2 <sup>nd</sup> quarter	29	1	6
3 <sup>rd</sup> quarter	29	5	2
4 <sup>th</sup> quarter	31	2	3

These facilities are the significant users that were in SNC for the year.

Car Wash Partners dba Mister Car Wash

Nature of violation:

2<sup>nd</sup> Quarter-Failure to report violation

2<sup>nd</sup> Quarter-Failure to resample

Actions planned and current compliance status:

The company took self monitoring samples in May as outlined in their discharge permit. Results of the samples showed an oil and grease SGT-HEM violation. The violation was reported to the City with the self monitoring report but not within 24 hours of learning of the violation as required in their permit. Also, the company scheduled a resample but not within 30 days of becoming aware of the original violation as required in their permit. The company returned to compliance by the next quarter and remained in compliance as of the end of 2014.

Clover Farms Dairy

Nature of violation:

2<sup>nd</sup> Quarter-Failure to report violation

Actions planned and current compliance status:

The company had self monitoring samples taken on June 3, 2014. The pH sample taken during this sampling showed a violation. This violation was not reported within 24 hours of the occurrence of the violation, but rather in the company's self monitoring report. There was no violation for failure to resample because the permit states that no resample is necessary if the company samples the parameter in violation at least once a month, which is the frequency this company takes pH samples. The company returned to compliance\_as of the following quarter and remains in compliance at the present time.

Crescent Brass Manufacturing Company

Nature of violation:

2<sup>nd</sup> Quarter-TRC mercury

2<sup>nd</sup> Quarter-2 Failure to Resample violations

2<sup>nd</sup> Quarter -2 Failure to Report violations

Actions planned and current compliance status:

The company submitted their second quarter self monitoring report late. The report indicated two (2) violations during the May testing: one (1) copper and one (1) TRC

mercury. The violations were not reported to the City within 24 hours of becoming aware of the violations as required in the discharge permit. Also, the company never resampled for either copper or mercury within 30 days of becoming aware of the violations as required by their wastewater discharge permit. With the City's increased industrial sampling, the company returned to compliance in the third quarter and remains there at this time.

IFS Industries, Inc.

Nature of violations:

2<sup>nd</sup> Quarter-2 Failure to Report violations

Actions planned and current compliance status:

The company submitted its second quarter self monitoring report on time. The company is required to take a monthly sample for oil and grease performed as HEM and SGT-HEM. In the report, it was discovered that both the May and June samples were above the limit for oil and grease as performed as HEM. These results did not put the company in SNC, however the company did not report either of the violations within 24 hours of learning of them as required in their Industrial Wastewater Discharge permit. They were not required to resample as they sample for these parameters on a monthly basis as does the City. In the third quarter, the company returned to compliance and has remained there.

National/Yorgey's Cleaners

Nature of violations:

2<sup>nd</sup> Quarter-TRC and chronic pH

3<sup>rd</sup> Quarter-TRC and chronic pH

4th Quarter-TRC and chronic pH

Actions planned and current compliance status:

There were pH violations during normal City testing in April. Two extra samples were taken in June in an attempt to test the company out of SNC. Both samples were also in violation. Violations also occurred during City testing in July and Self Monitoring testing in December. The reason given after all the violations was that too much soap was being used and that the company would adjust the amount per load washed. The company remains in violation as of the end of 2014.

Prizer Painter Stove Works, Inc. 600 Arlington Street Reading, PA 19611 Nature of violations:

2<sup>nd</sup> Quarter-Failure to report violation

Actions planned and current compliance status:

A pH violation occurred during Self Monitoring sampling in June. This violation was not reported within 24 hours of knowledge of the violation as required in the discharge permit. A repeat sample was within the discharge limits. The company returned to compliance in the third quarter and remained in compliance as of the end of 2014.

Summit Steel and Manufacturing 1005 Patriot Parkway Reading, PA 19605 Nature of violations:

3<sup>rd</sup> Quarter-TRC zinc monthly limit

Actions planned and current compliance status:

Self Monitoring samples taken in September showed a zinc violation. Due to the extremely low volume of wastewater from this industry, there was not a chance to try to test the company out of SNC. The company was unable to offer an explanation for the violation. They remain in SNC as of the end of 2014.

Termaco USA

171 Tuckerton Road

Reading, PA 19605

Nature of violations:

4<sup>th</sup> Quarter-TRC violation of the mercury limit listed in its permit

4<sup>th</sup> Quarter-Failure to resample

4<sup>th</sup> Quarter-Failure to report violation

Actions planned and current compliance status:

Self Monitoring samples were taken in December as required in the discharge permit with the analytical report dated the last week of the year. The samples showed a mercury violation. The violation was not reported within 24 hours of gaining knowledge of the violation, nor was there a repeat sample taken also as required in the discharge permit. The company has not yet responded to the notice of violation but still has time to answer without the response being considered late. As such, they remain in SNC as of the end of 2014.

The following facilities are non-significant users that were in SNC for the year.

Penske Truck Leasing 255 Penske Plaza Reading, PA 19602 Nature of violation:

4th Quarter-Failure to Report a violation

Actions planned and current compliance status:

The company's fourth quarter Self Monitoring report indicated a zinc violation. This violation was not reported within 24 of gaining knowledge of the violation as required in its discharge people. The company remains in SNC at the end of 2014.

Remcon Plastics, Inc.

208 Chestnut Street

Reading, PA 19602

Nature of violation:

1st Quarter-TRC and chronic zinc

2<sup>nd</sup> Quarter-TRC and chronic zinc

Actions planned and current compliance status:

City testing in February showed a zinc violation. Three subsequent samples were taken in March. Two of those three samples were violations. A Self Monitoring sample taken in May also showed a violation. A resample in early June showed no violation. The company was in SNC for

the first two quarters of 2014, but returned to compliance in the third quarter and remains in compliance as of the end of 2014.

Unique Pretzel Bakery 215 East Bellevue Avenue Reading, PA 19605 Nature of violation: 3<sup>rd</sup> Quarter-TRC copper

4<sup>th</sup> Ouarter-TRC copper

Actions planned and current compliance status:

During City sampling in September, a TRC copper violation occurred. Due to a very sporadic discharge schedule, there was no opportunity to resample prior to year's end to verify compliance. Subsequently, the company was in SNC at the end of the third quarter of 2014 and at the end of the year.

Van Bennett Food Company, Inc 101 N Carroll Street Reading, PA 19611 Nature of violation:

1<sup>st</sup> Ouarter -TRC oil and grease (HEM)

1<sup>st</sup> Quarter-Failure to report violation

1<sup>st</sup> Ouarter-Failure to resample

Actions planned and current compliance status:

The company reported an oil and grease (HEM) violation on their 1<sup>st</sup> quarter self monitoring report which was sent late. The violation was not reported within 24 hours of gaining knowledge of the violation, nor were resamples taken as required by their discharge permit. The company returned to compliance as of the second quarter of 2014 and remained in compliance through the end of the year.

#### Repeat SNC from the Prior Year

Industrial Users that were in SNC for this reporting year that were also in SNC for the previous reporting period are found in **Appendix 4**. This appendix also lists the parameter or reason for the industrial user being in SNC for both years. There was one SIU that was in SNC last year that was also in SNC in 2014 - Crescent Brass Manufacturing Company. In 2013, the company was in SNC due to two TRC copper violations, one chronic copper violation, a Failure to Resample, and a Failure to Report. In 2014, the company was in SNC because of a TRC mercury, two Failure to Resample violations, and two Failure to Report violations. All of the violations in 2014 occurred in the 2<sup>nd</sup> Quarter so the company was able to be in SNC as of the end of 2014. The non-SIU in SNC in 2013 and 2014 was Van Bennett Food Company. In 2013, the company Failed to Resample after an oil and grease violation. In 2014, they were in SNC for a TRC oil and grease violation, failing to report the violation, and failing to resample after the violation. The 2014 violation occurred in the 1<sup>st</sup> Quarter. The company had no further violations during 2014 and was in compliance at the end of the year.

#### Newspaper Listing

The significant users in significant non-compliance at any time during the reporting year are found in the newspaper listing attached as **Appendix 5**. The City used the rolling six-month time frame as required by 40 CFR 403.8 (f)(2)(viii) and reported all significant violators on a quarterly basis.

#### IV - Enforcement Actions

Appendix 6 provides a list of the following for both significant and non-significant industrial users:

Notices of violation
Number and nature of violations
Compliance orders
Total penalties assessed in 2014 and the reasons for the penalties

The City issued 73 Notices of Violation for 2014. This is a marked decrease from 2013. Also, only 17 SIUs received NOVs for 2014. It is attributed to working informally but aggressively with industries having compliance issues in order to seek solutions prior to the necessity of a Consent Agreement. Another major factor is the City's Penalty Escalation Policy. Under this program, the penalty is escalated after two consecutive quarters with one or more TRC violations for the same parameter. The penalty escalates again after two more consecutive quarters with one or more TRC violations for the same parameter. If there is a quarter without a violation, the penalty remains at the same level for the next two quarters. The penalty returns to the base amount after four consecutive quarters without a violation for the parameter in question. Although there are some industries that are still having penalties escalated, others have been able to return to the base amount through continued compliance. The penalty escalation program has also been a positive factor in working with industries to enter into a Consent Agreement. The penalty escalation program has been in effect since 2003.

All SIUs that had violations were subject to enforcement action by the City. All NOVs issued to SIUs by the City were followed with an administrative penalty during the next billing cycle. The initial penalty schedule is found in **Appendix 6**. A number of facilities have had penalties escalated due to recurring violations for the same parameter which is also detailed therein.

#### Compliance Schedules

There were no compliance schedules issued or effective in 2014. A Consent Order and Agreement (COA) may be discussed with and written for Clover Farms Dairy. The City intends to proceed cautiously in the decision to write such a document and secure EPA review and input of the draft COA prior to any discussion or presentation of the document to the company. The City does not intend to include any reduction in fines in a new COA. The City contemplates including pH adjustment, a new sampling point (sampling manhole) and flow metering of the discharge. The company and its lawyer appear to want the City's approval to abandon plans for a DAF system in favor of the installation of skimmers to control oil and grease. The City is interested in consistent compliance at all times and representative sampling and the method of achieving this is the responsibility of the company. The company proceeded with and completed construction on improvements on its pretreatment system. Clover Farms and its consultants are

working to find the best way to run the new plant. Penalties on pH violations were increased to \$1000 per occurrence in the third quarter of 2014.

There are no significant users on compliance schedules that are in writing but are not considered "formal".

17 significant users were assessed penalties resulting from violations in 2014. Penalties were collected from 20 of the users in 2014. The number of users paying penalties in 2014 does not correspond to those receiving penalties as a result of the third and fourth quarter 2013 penalties that were issued and paid in 2014, and third quarter 2014 penalties issued in 2015. Fourth quarter 2014 penalties have not yet been issued to the industries through the City's registered bill process. Penalties are included in the quarterly industrial waste surcharge bills. A report on the penalty payment status for violations occurring during 2014 is included in **Appendix 7**. An updated report for the 2013 issued penalties is included. One industry who is normally current with invoices, Reading Truck Body, still shows as not having paid and will be further investigated to determine the accuracy. The other unpaid penalties from 2013 are for Paragon Optical who has since declared bankruptcy and ceased operations. Please note that Crescent Brass appears periodically throughout the report. They are required to pay \$265.05 monthly for prior years' delinquent fines as a settlement in their bankruptcy. These payments are processed by the Law Department and postings often include multiple months.

The City has been and will continue to investigate errors in the penalty payment and posting. There are some minor prior year payment discrepancies requiring additional research with the Administrative Services Department. Public Works staff has discovered errors with the posting of prior penalties' payments within the software system as well as subsequent corrections not reflected in the reports. Research in this system shows that the corrections appear in some individual customer queries but not in the summary reports pulled for routine use such as the requisite reporting. This system's data is also transferred to the City's accounting system so the error correction process is critical. The City is working interdepartmentally to resolve this issue for the past and determine how to make corrections be reflected in both the accounting and tracking systems with accurate tracking and reporting in all systems as the goal. Crescent Brass as discussed above is one industry known to have an ongoing issue with the software report discrepancy described. Through working with the Treasury Manager and her staff and their knowledge of the impact to the correction process on subsequent reports, the posting of paid bills has not yielded the reporting problems as had been seen in prior years.

#### Part B - Pretreatment Developments

#### I - Summary of POTW Operations

Over the past year, the City has not experienced process upsets, NPDES permit violations, pass-through events or interferences that could be attributed to industrial waste. Additionally, the City did not have problems in the collection system that could be attributed to industrial waste.

The ongoing improvements in management, operations and maintenance (MOM) practices during the year continue to make the pump stations and wastewater treatment plant (WWTP) more effective, efficient and reliable.

The City is required to perform priority pollutant testing annually. The priority pollutant sampling along with the quarterly local limits testing was conducted on the following dates: 9/21-22/14 for the influent, 9/21-22/14 for the effluent and 1/8/14 for the biosolids. The results of these analyses are included in **Appendix 8**. The Form 43 biosolids sampling was conducted on 1/8/14 and 7/12/14. The City is required to perform local limits testing on the influent, effluent, and biosolids on a quarterly basis per the City's NPDES permit. Four tests were performed for the influent and effluent as reported in the in the Monitoring Data Spreadsheet. The new NPDES permit effective December 1, 2013 does not require the weekly mercury testing performed on plant influent points and the plant effluent as has been required by the past NPDES permits. Priority pollutant testing and quarterly local limits testing are also performed at two of the major influent points for the plant prior to the commingling of all wastewater with internal plant recycle flows at what is designated as the plant influent. These two major influent points are designated as 6<sup>th</sup> and Canal (6<sup>th</sup>) and the Grit Chamber (Grit). Results for these two major influent points are included in **Appendix 8** and also in the Monitoring Data Spreadsheet.

For biosolids, monthly 503 analyses were performed in 2014. Monthly fecal coliform testing on biosolids was not done in 2014. These are included in **Appendix 8.** 

Influent, effluent and biosolids data from the quarterly testing and priority pollutants testing and biosolids data from the Form 43 and 503 analyses are summarized in the Monitoring Data Spreadsheet received by e-mail from the EPA. These are included in **Appendix 8.** The monthly average for BOD, TSS, NH<sub>3</sub>-N, and Phosphorus for the plant influent was added to the Monitoring Data Spreadsheet. Data from the two major influent points of the plant was added to the Monitoring Data Spreadsheet as two separate tabs.

With the new NPDES permit, no additional testing was required for bis(2-Ethylhexyl)phthalate or semivolatiles on the plant influent points, plant effluent and biosolids in 2014.

Biosolids testing for the year showed a slightly higher level of molybdenum in a few summer months. The City identified cooling tower chemicals as an important source of this metal. All permittees are required to test for molybdenum at least once a year, and the City tests for molybdenum as well. The City ensures that permits require testing for this metal in the summer months. No major source of molybdenum has been found at any industrial user. The City has been encouraging the elimination of molybdenum containing cooling tower chemicals among its

industrial users, non-industrial users and contributing municipalities. All metals in the biosolids meet land application concentration limits except for molybdenum sporadically in the summer months. There were no WWTP maintenance activities performed in those months that would potentially explain the reason for the elevated levels. The City has cleaned digesters and has been seeing a reduction in the molybdenum levels in the biosolids. The City continues to landfill all biosolids from the wastewater treatment plant but would like to be able to consider other disposal options in the future.

In a letter from DEP dated August 31, 2004, the effluent limit for mercury was amended. The new limit which is a monthly average is 0.00023 mg/L. A copy of the letter and the discharge limitations showing the amended mercury limit is enclosed. The Monitoring Data Spreadsheet lists 0.00007 mg/L as the effluent goal. In December 2013, mercury was removed from the NPDES permit and, therefore, there is no longer a limit nor testing requirement.

No trucked or hauled wastewater or brine waste is accepted at the plant or within the collection system. With the wastewater treatment plant upgrades being designed, no receiving facilities are included. In 2006, Dietrich's Milk Products began collecting some of its high strength wastewater as part of its program to comply with its oil and grease limit. This is primarily first flushes during equipment cleanup after milk processing. In 2008, Clover Farms Dairy also began collecting some of its high strength wastewater to control oil and grease discharges. Documentation on individual waste streams that are collected for off site disposal (i.e. hazardous waste, used oil, sludges) by industrial users is reviewed during facility inspections.

#### II - Pretreatment Program Changes

During 2014, there were no changes in the legal authority.

The City continues to use both the PreWin commercial software program as well as a custom spreadsheet developed by the Environmental Program Coordinator for tracking compliance. This system of checks and balances ensures that all deadlines, milestones, notices of violation, and significant non-compliance will be accurately reflected and reported.

The WWTP laboratory, which performs conventional analyses for the wastewater treatment plant and industries, received accreditation in January 2008 under Pennsylvania's Chapter 252, Environmental Laboratory Accreditation. The laboratory has maintained its accreditation since that time. Accreditation has been renewed through January 31, 2015. The annual renewal application was submitted in December, 2014. The scope of accreditation is for the following parameters: BOD, cBOD, TS, TSS, TDS, fecal coliform, ammonia as nitrogen, distillation for ammonia as nitrogen, and total phosphorus with digestion.

A laboratory technician was hired in February 2014 in order reach full staffing at 5 lab technicians. One of the other lab technicians transferred into the plant's operations in 2014. Another lab technician was hired soon after to take her place. We currently employ 5 technicians working in the laboratory. Beginning in 2013, technicians were assigned the task of pretreatment industrial sampling on a rotating basis. Each of the technicians performed the sampling duties for one month at a time.

#### III - Miscellaneous Developments

During March 2003, legal counsel for the City was requested by the United States Department of Justice to meet concerning permit violations of the wastewater treatment plant. As a result of this and subsequent meetings, the City of Reading has a Consent Decree with the United Stated Department of Justice, United States Environmental Protection Agency, and Pennsylvania Department of Environmental Protection in order to address past permit violations and to obtain consistent permit compliance for the future. This Consent Decree addresses the wastewater treatment plant, collections system, and industrial pretreatment program. The negotiations for this Consent Decree were completed and the decree executed by all parties in 2004. On December 9, 2004, the US Attorney announced that an agreement had been reached between the parties, and the complaint and decree were lodged with the judge simultaneously. This was subsequently advertised for a thirty-day public comment period which continued into 2005. The Consent Decree was officially signed by the judge and entered on November 7, 2005. This Consent Decree dictates many interim improvements and systems to be implemented while the City embarks on studies of both the WWTP and collection system prior to beginning a capital improvement plan.

An Amended Consent Decree dated February 26, 2014 included updates to reflect changes that had occurred with the timing, scope, funding, and direction for the contemplated capital improvements and system rehabilitation.

For the Consent Decree interim remedial measures, there is the ongoing implementation and refinement of the Environmental Management System, Wet Weather Operations Plan, and the Operations and Maintenance Plan. Additionally, the Plant Influent, Trickling Filter Performance, and Process Control Monitoring are continuing as described in their respective submissions as required.

The long-term remedial measures for the WWTP upgrades, includes the liquid and solid treatment alternatives required by the Consent Decree. Additionally, the collection system has planned pump station and force main upgrades and improved mapping, operations, and maintenance through a regimented process leading to system rehabilitation

The City continues to work to improve the wastewater system as a whole and plan, design, and construct capital improvements. Periodic reports to the regulators and meetings with the regulators document the City's progress and concerns.

# **2014 Pretreatment Report Appendices**

Appendix 1 -	Current Industrial Users
Appendix 2 -	Compliance Monitoring Program
Appendix 3 -	Increased Industrial Sampling
Appendix 4 -	Facilities in SNC for 2014 that were also in SNC for 2013
Appendix 5 -	Newspaper Listing of Significant Violators
Appendix 6 -	Enforcement Actions
Appendix 7 -	Payment Status

**Data Monitoring Spreadsheet** 

**Analytical Results** 

Appendix 8 -

# APPENDIX 1 CURRENT INDUSTRIAL USERS

#### SIGNIFICANT INDUSTRIAL USERS 2014 **CATEGORICAL INDUSTRIES (10)**

Carpenter Technology Corporation - Iron and Steel Mailing Address: 101 West Bern Street P O Box 14662

Reading PA 19601 Reading PA 19612-4662

Crescent Brass Manufacturing-Metal Molding & Casting Mailing Address:

- Zero Discharge Same

701 Park Avenue

Reading PA 19611

Reading PA 19605

Hofmann Industries - Metal Finishing Mailing Address:

3145 Shillington Road Same

Sinking Spring PA 19608

Reading Plating and Polishing Works - Electroplating Mailing Address:

1833 and 1840 Cotton Street 1839 Cotton Street Reading PA 19606 Reading PA 19606

Reading Truck Body - Metal Finishing Mailing Address:

201 Hanover Blvd. Same

Reading PA 19611

Sealed Air Corporation - Pulp and Paper Mailing Address:

450 Riverfront Drive Same

Reading PA 19602

Summit Steel and Manufacturing - Metal Finishing Mailing Address:

1005 Patriot Parkway Same Reading PA 19605

Termaco USA - Metal Finishing Mailing Address:

171 Tuckerton Road Same

United Corrstack - Pulp and Paper Mailing Address:

720 Laurel Street Same

Reading PA 19602

Yuasa Inc - Battery Manufacturing Mailing Address:

2901 Montrose Ave Same Laureldale PA 19605

#### SIGNIFICANT INDUSTRIAL USERS 2014 **NON-CATEGORICAL INDUSTRIES (26)**

Akzo Nobel Coatings 159 Columbia Avenue

Reading PA 19601

Mailing Address:

Same

**Aramark Uniform Services** 

424 Blair Avenue Reading PA 19601 Mailing Address:

Same

Berks Packing Company 307-323 Bingaman Street

Reading PA 19602

Mailing Address: P O Box 5919

Reading PA 19610

Bimbo Bakeries USA, Inc. (formerly Orograin Bakeries)

640 Park Avenue Reading PA 19611 Mailing Address:

Same

Car Wash Partners dba Mister Car Wash

1 Cloister Court

Sinking Spring PA 19608

Mailing Address:

Same

**Clover Farms Dairy** 3300 Pottsville Pike

Reading PA 19605

P O Box 14627 Reading PA 19612

Mailing Address:

Crossroads Beverage Group 1055 Crossroads Boulevard

Reading, PA 19605

Mailing Address:

Same

Cryovac, Inc.

Food Packaging Division 177 Tuckerton Road Reading PA 19605

Mailing Address:

Same

Dairy Farmers of America

100 McKinley Avenue

Reading PA 19605

Mailing Address:

Same

**Evergreen Community Power** 

800 South Street Reading PA 19602 Mailing Address:

Same

Exide Technologies Spring Valley Road & Nolan Street Spring Valley Road & Montrose Avenue Laureldale PA 19605

Mailing Address: P O Box 14294 Reading PA 19612

IFS Industries Inc. 400 Orrton Avenue Reading PA 19611

Mailing Address: P O Box 1053 Reading PA 19603

Interstate Container LLC. 100 Grace Street Reading PA 19611

Mailing Address: Same

Lentz Milling 2045 N 11th Street Reading PA 19604

Mailing Address: P O Box 13159 Reading PA 19612

National/Yorgey's Cleaners 1700 Fairview Street Reading PA 19606

Mailing Address: Same

Packaging Corporation of America 171 Tuckerton Road

Reading PA 19605

Mailing Address:

P.O. Box 250 291 Main Street South Glastonberry, CT 06073

Prizer Painter Stove Works 600 Arlington Street Reading PA 19611

Mailing Address: P O Box 1053 Reading PA 19603

Quadrant EPP USA, Inc. 2120 Fairmont Avenue Reading PA 19605

Mailing Address: P O Box 14235 Reading PA 19612-4235

Quaker Maid Meats 520 & 521 Carroll Street 650 Morgantown Road Reading PA 19607-0350 Mailing Address: P O Box 350 Shillington PA 19607-0350

Reading Eagle 345 Penn Street Reading PA 19603 Mailing Address: P O Box 582 Reading PA 19603

**Reitech Corporation** 3146 Marion Street Laureldale PA 19605 Mailing Address: Same

Savor Street Foods (formerly The Bachman Company) 51 Spring Valley Road Reading PA 19605 Mailing Address: P O Box 15053 Reading PA 19612

St Joseph Medical Center-Downtown 145 N 6th Street Reading PA 19601 Mailing Address: P O Box 316 Reading PA 19603

Sun Rich Fresh Foods 425 Gateway Drive Reading PA 19601 Mailing Address: Same

Sweet Street Desserts 722 Hiester's Lane Reading PA 19605 Mailing Address: P O Box 15127 Reading PA 19612

Tom Sturgis Pretzels 2267 Lancaster Pike Reading PA 19607 Mailing Address: Same

#### 2014 NON-SIGNIFICANT INDUSTRIES (13)

Air Liquide

2500 N 11th Street

Reading PA 19605

Akzo Nobel Coatings Inc-R&D Center

3 Commerce Drive Reading PA 19607

Diesel Service, Inc.

150 Lehigh Street Reading PA 19601

Liberty Environmental, Inc. 4801 5<sup>th</sup> Street Highway

Temple, PA 19560

NGK Metals Corporation 150 Tuckerton Road

Temple PA 19560

Pennsylvania Truck Centers

4226 Pottsville Pike

Reading PA 19605

Penske Truck Leasing 255 Penske Plaza

Reading PA 19602

Remcon Plastics 208 Chestnut Street

Reading PA 19602

TDY Industries, LLC

303 East Wyomissing Road

Mohnton, PA 19540

Ultra Wash of Philadelphia

1619 N 9<sup>th</sup> Street

Reading PA 19604

Mailing Address:

P O Box 13577

Reading PA 19612-3577

Mailing Address:

Same

Mailing Address:

P O Box 14325

Reading PA 19612-4325

Mailing Address:

50 North 5<sup>th</sup> Street

Reading, PA 19601

Mailing Address:

917 US Highway 11 South

Sweetwater TN 37874

Mailing Address:

P O Box 13337

Reading PA 19612-3337

Mailing Address:

P O Box 7635

Reading PA 19603-7635

Mailing Address:

Same

Mailing Address:

48 Prestbury Square Building, Suite 18

Newark, DE 19713

Mailing Address:

P O Box 1130

North Cape May NJ 08204

Unique Pretzel Bakery 215 E. Bellevue Avenue Reading PA 19605 Mailing Address:

Same

Van Bennett Food Company 101 N Carroll Street

101 N Carroll Street Reading PA 19611 Mailing Address:

Same

WORLD electronics 3000 Kutztown Road

Reading PA 19605

Mailing Address:

Same

# APPENDIX 2 COMPLIANCE MONITORING PROGRAM

## 2014 COMPLIANCE MONITORING PROGRAM

## Significant Industrial Users

	Control Document		Inspection and Sampling Frequency					
Industry Name	Control	Document	Inspec	ctions	Sampling Visits		Self-Monitoring	
	Issuance Date	Expiration Date	Performed	Proposed	Performed	Proposed	Performed	Required
Akzo Nobel Coatings	April 1, 2012	March 31, 2015	1	1	12	12	12	12
Aramark Uniform Services	July 1, 2013	June 30, 2016	1	1	5	4	12	12
Berks Packing Company	January 1, 2013	December 31, 2015	1	1	5	4	16	12
Bimbo Bakeries USA	July 1, 2014	June 30, 2017	1	1	5	4	6	2
Car Wash Partners dba Mister Car Wash	July 1, 2012	June 30, 2015	1	1	4	4	4	4
Carpenter Technology	October 1, 2012	September 30, 2015	1	1	4	4	4	4
Clover Farms Dairy	October 1, 2012	September 30, 2015	1	1	13	12	13	12
Crescent Brass Manufacturing	October 1, 2014	September 30, 2017	1	1	1	1	2	2
Crossroads Beverage	April 1, 2012	March 31, 2015	1	1	2	2	2	2
Cryovac Food Packaging Division	April 1, 2013	March 31, 2016	1	1	2	2	2	2
Dairy Farmers of America	April 1, 2014	March 31, 2017	1	1	12	12	12	12
Evergreen Community Power	October 1, 2014	September 30, 2017	1	1	2	2	2	2
Exide Technologies	January 1, 2012	December 31, 2015	1	1	4	4	4	4
Hofmann Industries	April 1, 2009	March 31, 2012	1	1	2	2	4	4
IFS Industries (International Foundry Supply)	October 1, 2014	September 30, 2017	1	1	12	12	14	12
Interstate Container	October 1, 2013	September 30, 2016	1	1	4	4	4	4
Lentz Milling	July 1, 2013	June 30, 2016	1	1	2	2	5	4
National/Yorgey's Cleaners	January 1, 2015	December 31, 2017	1	1	5	4	2	2
Packaging Corpporation of America	April 1, 2014	March 31, 2017	1	1	4	4	4	4
Prizer Painter Stove Works	July 1, 2014	June 30, 2017	1	1	4	4	5	4
Quadrant EEP USA	April 1, 2012	March 31, 2015	1	1	1	1	2	2
Quaker Maid Meats	October 1, 2012	September 30, 2015	1	1	6	4	4	4
Reading Eagle Company	January 1, 2015	December 31, 2017	1	1	2	2	2	2
Reading Plating & Polishing Works	July 1, 2014	June 30, 2017	1	1	4	4	4	4
Reading Truck Body	October 1, 2013	September 30, 2016	1	1	4	4	12	12
Reitech Corporation	October 1, 2013	September 30, 2016	1	1	2	2	2	2
Savor Street Foods	January 1, 2015	December 31, 2017	1	1	6	4	5	4
Sealed Air Corporation	January 1, 2013	December 31, 2015	1	1	13	12	113	52
St Joseph Medical Center Downtown	April 1, 2013	March 31, 2016	1	1	6	4	12	12
Summit Steel and Manufacturing	October 1, 2012	September 30, 2015	1	1	1	1	2	2
Sun Rich Fresh Foods	January 1, 2014	December 31, 2016		1	12	12	12	12

#### 2014 COMPLIANCE MONITORING PROGRAM

#### Significant Industrial Users

	Control	Control Document			Inspection and Sampling Frequency						
Industry Name	Control	Control Document		Inspections		g Visits	Self-Monitoring				
	Issuance Date	Expiration Date	Performed	Proposed	Performed	Proposed	Performed	Required			
Sweet Street Desserts	April 1, 2012	March 31, 2015	1	1	6	4	6	4			
Termaco USA	July 1, 2014	June 30, 2017	1	1	2	2	4	4			
Tom Sturgis Pretzels	January 1, 2015	December 31, 2017	1	1	5	4	4	4			
United Corrstack	October 1, 2013	September 30, 2016	1	1	12	12	12	12			
Yuasa Battery	April 1, 2009	March 31, 2012	1	1	4	4	4	4			
	<u> </u>										
		Total	36	36	190	175	329	252			

#### NOTES:

Bimbo Bakery USA: A new permit was written changing the name of the company from Orograin Bakeries to Bimbo Bakeries USA to reflect a change in ownership.

**Prizer Painter Stove Works:** The new permit was written to reflect the company's plans to add a second shift which would change both the time of discharge and the limits for some of the discharge parameters.

Savor Street Foods Inc: There was an ownership change and name change from The Bachman Company to Savor Street Foods during the year which was reflected in the new permit.

Permit Expiration and Extension: Permits are administratively extended as written upon receipt of re-application until new permit issuance.

# 2014 COMPLIANCE MONITORING PROGRAM

### **Non-Significant Industrial Users**

	Control Document		Inspection and Sampling Frequency						
Industry Name				Inspections		Sampling Visits		Self-Monitoring	
	Issuance Date	Expiration Date	Performed	Proposed	Performed	Proposed	Performed	Required	
Air Liquide	July 1, 2012	June 30, 2015	0	0	i	1	2	2	
Akzo Nobel Powder Coatings R&D Center	July 1, 2012	June 30, 2015	0	0	1	1	2	2	
Diesel Service	October 1, 2011	September 30, 2016	0	0	0	0	2	1	
NGK Metals Corporation	April 1, 2012	March 31, 2015	0	0	2	4	2	2	
Liberty Environmental, Inc	August 1, 2014	June 30, 2017	0	0	2	2	4	4	
Pennsylvania Truck Centers	October 1, 2014	September 30, 2017	0	0	2	2	2	2	
Penske Truck Leasing	January 1, 2015	December 31, 2017	0	0	5	4	5	4	
Remcon Plastics	April 1, 2014	March 31, 2017	0	0	1	1	2	1	
TDY Industries, LLC	March 1, 2014	March 31, 2015	0	0	1	1	2	2	
Ultra Wash of Philadelphia	April 1, 2013	March 31, 2016	0	0	0	0	4	4	
Unique Pretzel Bakery	October 1, 2012	September 30, 2015	0	0	2	2	2	2	
Van Bennett Food Company	October 1, 2012	September 30, 2015	0	0	2	2	4	4	
WORLD electronics	January 1, 2014	December 31, 2016	0	0	3	2	2	2	
		Total	0	0	22	22	35	32	

**NOTES:** 

# APPENDIX 3 INCREASED INDUSTRIAL SAMPLING

# **INCREASED INDUSTRIAL SAMPLING FOR 2014**

INDUSTRY (SIU)	Additional City Sampling Performed	Parameters Tested	Number of Extra Tests	Additional Self Monitoring Sampling Performed	Parameters Tested	Number of Extra Tests
Akzo Nobel Powder Coatings				2	zinc	2
Aramark Uniform Services						
Berks Packing Company				4	oil and grease (HEM)	4
Bimbo Bakeries outfall 00	ĺ					
outfall 00	2			2	oil and grease (HEM)	2
Car Wash Partners						
Carpenter Technology Outfall 002				4	copper	4
Outfall 003	1	oil and grease (HEM)	1			
Outfall 003	1	oil and grease (SGT-HEM)	1			
Clover Farms Dairy						
Crescent Brass Manufacturing	2	mercury	2			
Crossroads Beverage Group						
Cryovac Food Packaging Division						
Dairy Farmers of America						
Evergreen Community Power						
Exide Technologies						
Hofmann Industries				8	chromium, zinc	8
IFS Industries				2	oil and grease (HEM)	2
Interstate Container						
Lentz Milling						
National/Yorgey's Cleaners	2	рН	2			
Packaging Corp. of America						
Prizer Painter Stove Works				1	рН	1
Quadrant EPP USA						
Quaker Maid Meats outfall 003	2	oil and grease (HEM)	2			
outfall 004						
Reading Eagle Company						
Reading Plating & Polishing Works						
Reading Truck Body						
Reitech Corporation						
Savor Street Foods Inc	2	mercury	2	1	рН	1
Sealed Air Corporation				1	рН	1
St Joseph Downtown-outfall 005						
St Joseph Downtown-outfall 006						

## **INCREASED INDUSTRIAL SAMPLING FOR 2014**

INDUSTRY (SIU)	Additional City Sampling Performed	Parameters Tested	Number of Extra Tests	Additional Self Monitoring Sampling Performed	Parameters Tested	Number of Extra Tests
Summit Steel and Manufacturing						
Sun Rich Fresh Foods						
Sweet Street Desserts						
Termaco USA						
Tom Sturgis Pretzels						
United Corrstack						
Yuasa Battery						

# **INCREASED INDUSTRIAL SAMPLING FOR 2014**

INDUSTRY (non-SIU)	Additional City Sampling Performed	Parameters Tested	Number of Extra Tests	Additional Self Monitoring Sampling Performed	Parameters Tested	Number of Extra Tests
Air Liquide						
Akzo Nobel-R&D Lab						
Diesel Service						
NGK Metals Corporation						
Paragon Optical						
Pennsylvania Truck Centers						
Penske Truck Leasing	2	zinc	2	1	zinc	1
Remcon Plastics	3	copper, zinc	3	1	zinc	1
Ultra Wash of Philadelphia						
Unique Pretzel Bakery						
Van Bennett Food Company	1	oil and grease (HEM)	1			
WORLD electronics						

### APPENDIX 4

### FACILITIES IN SNC FOR 2014 THAT WERE ALSO IN SNC FOR 2013

#### Significant Industrial Users in SNC for 2014 that were also in SNC for 2013

Reason for Significant Non-Compliance

Facility 2013

Crescent Brass TRC and chronic copper TRC mercury

Manufacturing Company TRC copper Failure to report violation x 2

Failure to report violation x 2 Failure to resample x 2

Non Significant Industrial Users in SNC for 2014 that were also in SNC for 2013

Reason for Significant Non-Compliance

<u>Facility</u> 2013 2014

Van Bennett Food Company Failure to resample TRC oil and grease (HEM)

Late self monitoring report

Failure to report permit violation

Failure to resample

2014

Status at the end of 2014

Compliance

Status at the end of 2014

Compliance

# APPENDIX 5 NEWSPAPER LISTING OF SIGNIFICANT VIOLATORS



FOUND: Key on Liberty St. (off Lancaster Ave.), Shillington. 610-796-4258

LOST: Solid white CAT,



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Business Opportunities

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No-Fault-Uncontested free
info. Davis Divorce Law. No
Different Torak. 150-46-46-070, 24vr..

#### **Business Opportunities**

RESTAURANT FOR SALE OR LEASE: Also avail. as land lease. Busy highway Rt 222, for mer Kirbyville inn. On-sit water & sewer. Pienty of parking, \$2500 NNN or \$195,000, 610-223-0921

AKC GERMAN SHEP PUPS S&W. Vet chkd. OFA cert. Excell. hips-parents. Euro pean bloodline, 1 female \$1200. Has training. 717-529-6213 ns

Pet

AKC Long haired Mini Dachshund Female, black & tan. \$600. 610-987-0432

BEAGLE PUPS AKC 2 adorable females 8 weeks, Tri colored, 1st shots & wormed. Ready now. \$425 each. Call 717-821-2935

CHIHUAHUA PUPPIES Long-haired. Call 610-763-5374

Female English Bulldog Pup: AKC Reg. Vet ck'd. Very cute, loves people. \$1300. 484-650-1582

German Shepherd Pups for sale. Registered Ger-man bloodline, ready to go 1st wk of April. \$800. 717-529-0162

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club membership for all of
2015. Choose Mondays or
2015. Choose Mondays or
by April 19, For ages finor.
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BCDTC will offer the AXC
ST.AR. Puppy Program
for pups ages 12 was to 6
mon. Classes will be held
Wedneddays at 7 p.m.
1914 & Included Sweep puppy
class, 8-wk basic skills class
2015 ckb membership.
\*\*MANNERS CLASS\*\*
MANNERS CLASS\*\*

MANNERS CLASS
This is for dogsthrough the form of the

#### Mer Merchandise

Please RECYCLE: Free pick up & removal of: AC units, microwaves, de-humidifier. 610-823-5918 myfatdog101@aol.com

#### Articles for Sale

\$150 Queen P-TOP MATTRESS SET. Made in USA. New in plastic. Text or call 610-451-8823

2 section (10 ½') L-shaped metal desk with dark top, X-cond., you remove,\$500. Emmaus: 484-358-6100

4x8 Utility Trailer, X-cond. Non-enclosed, steel frame, wood sides, \$775. Emmaus: 484-358-6100

Full size MATTRESS SET. New - Still in plas-tic. \$150. Call or text 610-451-8823.

GE 24" stackable washer/ dryer, very good cond,3yrs old, \$350, 610-678-6706 JAZZY Select Elite Power Chair by Pride, new bat-teries & charger, \$650. Call 610-678-6706

LINC. 140 Pro Mig Welder: Used lightly for 3 yrs,110v 5375. QUICKIE 2hp. adult whlchr, \$300. 610-562-8163

MATCHING rectangular cocktail to 1 + 2 sq. end tols (maple frame with permanent stone tile inserts on entire tops). Like new cond. Pd \$1200, \$500 obo for set. 610-777-6306

Singer Touch & Sew sew-ing mach. in cabinet, seat \$25; octagon game table \$30; cherry TV stand \$20; antique white 4 drawer dresser \$25. 610-856-5126

SINGLE BED w/Sealy Posturepedic boxspring & matt. \$150. 610-678-6706

#### Sporting Goods

Don't be the next crime victim! 20 million volt stun gun widisable pin and one 1/2 oz. key chain pepper spray. Sale \$40. Avail. in vanous colors. Call me now 484-794-7515

#### Lawre & Garden

Top soil \$17, screened \$22/yd. Mulch \$21/yd. Fill dirt/shale \$5/ton. Mountain/glacial land-scape boulders, \$20 & up. Call 610-799-5037

#### Musical Instruments

★★ Glennskeys.com ★★ Piano Tuning & Repair Call 610-779-2609

MI) Fender Strat w/Floyd rose & Martin 000 CXE. \$400 ea. 484-529-7999

#### Wanted to Buy

0BUYING-Antqs./collectibles 1 item to contents. Moving or downsize. 484-529-0851

Antiques:Furn., Glassware Tools, Trains, Toys, Pottery George. 610-372-1681

BUYING COSTUME JEWELRY & ANTIQUES, Watches, Old Postcards, Civil War-WWII Military Items, Attic & Basement Items. CHRIS 610-670-9232 WANTED

WANTED

LGE BOOK COLLECTIONS

LGE STAMP COLLECTIONS

OLD TDYS + All fair price
Very good cond. regd.
Glenn 610-375-6645
or glenndavidbooks

#### Auc Auctions

ABSOLUTELY ALWAYS OLEY VALLEY AUCTION CO. 610-987-9080; 610-987-3567

Aileen & Ron Rhoads Aucts. 610-385-4818 • 610-948-3337

CATHY M. PENNYPACKER Auctioneer - 610-777-6121

DICK HENRY AUCTIONEER/REALTOR 610-858-3065

GREEN HILLS AUCTION Sales Monday's at 9:00 am 610-856-5000

HORNING FARM AGENCY Auctions/Realtors/Appraisers Morgantown 610-286-5183

HORST AUCTION CENTER Ephrata 717-738-3080 www.horstauction.com

#### Public Auctions

NOTICE OF LIEN SALE Kutztown Self Storage 50 Apple Alley Kutztown, PA 19530 (610-737-5509)

(610-737-5309) In order to saisify its statutory lien. NOTICE SHEREY GVEN, that Kutztown Self Storage will self to the general mencing at 12:30 PM. Tuesday, March 31. 2015 the property described as a miscellaneous personal proper-cented by the following occupants:

Aaron Burger: C15 Gregory Delong: 10

Agran Budger. Lt 10
Agreement Budger. Lt 10
Agreement

### Pub Public Notices

#### Sealed Proposal

The Central Dauphin School District is reissuing the request for proposals for Student Transportation Services. The Student Transportation Services. The Student Transportation Service management services according to the Pennyl-vania Department of Transportation regulations and guidelines, about tions and guidelines, about the partment of Education policies and guidelines.

Contact Tara Olvera, Purchasing Supervisor at tolvera@cdschools.org or (717) 545-4703 ext. 232 for Proposal Specifica-tions.

Questions/clarifications on the specifications or to schedule a walk through may be submitted to Jay Omslaer, Director of Transport at jomslaer@cdschools.org or (717) 545-4703 ext. 220.

All proposals must be submitted no later than 1:30 pm on April 13th, 2015. There will be no public opening of pro-posals submitted.

Student Transportation Service Companies and/ or their representatives may submit proposals in a sealed envelope to:

a sealed envelope to:
Central Dauphin
School District
Request for Proposal Student Transportation
Services
Transportation
Services
Attn:
Karen L. McConnell,
Karen L. McConnell
for Finance and
for Finance and
(717) 545-4703
extension 206

The Central Dauphin School District Board of Education reserves the right to accept or reject any and/or all proposals or to accept the proposal that it finds, in its sole discretion, to be in the best interest of the school district.

REQUEST FOR PROPOSAL CLEANING CONTRACT

The Township of Robeson is evaluating service providers to perform key activities pertaining to cleaning services for all facilities noted into the facilities noted in (EFP). The award is a one-year contract beginning May 1, 2015 and ending April 30, 2016. An option to the sole discretion of the Board of Supervisors.

Board of Supervision.

Bidders may obtain specifications of bidding
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All proposals are due promptly by 3:30PM local prevailing time on April 16, 2015 and shall proposals must be irrevocable for sixty (60) days following the bid open-shall be submitted in a separate sealed envelope dearly marked "Confidential: Reference-Confidential: Refe

Township Manager Robeson Township 8 Boonetown Road Birdsboro, PA 19508

Birdsboro, PA 19508
Bids will be opened and
read at the Robson
Township Board of Supervisors Workshop on
April 18, 2015 at approximately 7:00PM. Awardplace at the Board of Supervisors Regular Meeting
on April 21, 2015 at approximately 7:00PM. Rothe fight to reject any or
all bids and to waive any
or all defects, errors,
omissions, irregularities,
bid for the best interests
of the Township.

Thomas C. Keim Manager Robeson Township

The Reading Muhlenberg Carner & Technology Center is soliditing bids for the instructional equipment listed below. Sealed bids will be received by the school at 2515 Warren Rd, Muhlenberg Township, Reading PA 19504, until 1 PM, prevailing time, Wednesday, April 8, 2015.

#### Dental Equipment

Bids may be mailed to the Office of the Acting Business Office Supervi-sor, 2815 Warren Rd., Reading PA 19604. The envelope should be clearly marked accord-ingly. Bids will be opened at 3 PM on Wed-nesday, April 8, 2015 in the Main Office.

Specifications can be ob-tained by contacting the school at (610) 921-7309 or in the Business Office at the above address Monday through Friday, Monday through Friday, from 8:30 AM to 3:30 PM, prevailing time.

The Reading Muhlen-berg Career & Technolo-gy Center reserves the right to reject any or all proposals or parts there-of, or items therein, and to waive any defects or irregularities in the pro-posals.

#### Sealed Proposal

ADVERTISEMENT FOR BIDS

FOR BIDS
Sealed proposals will be recived by the Freetword Ave a School District in Fleetwood, Pennsylvania, on or before 
April 16, 2015 at 1:30 PM 
at the Fleetwood Area 
School District Office 
Fleetwood, PA 19522. 
Proposals shall be submitted to the attention 
of Mr. Kerry Strickler.

Bids will be received on the following:

the following:

A. Combined Bid for:
Andrew Maier
Elementary School
Mechanical Jugrade
Fleetwood Middle
and Electrical Uggrade
Sichmond Electrical Uggrade
Sichmond Electrical Uggrade
Jugrades
Mechanical and
Electrical Pime
Contracts

B. Bid for Andrew Maier Elementary School - Mechanical and Electrical Upgrades Mechanical and Electrical Prime Contracts

C. Bid for Fleetwoo Middle School -Mechanical and Electrical Upgrades Mechanical and Electrical Prime Contracts

D. Bid for Richmond Elementary School -Electrical Upgrades Electrical Prime Contro

No Proposal may be withdrawn for period of thirty (30) days after the scheduled closing time for the receipt of Pro-posals.

posals.

The successful bidder will be required to furnish and pay for satisfactory performance and so that the successful post of the successful post of the successful post of the contract price within ten (10) days after the Contract has been awarded, and may also be required to furnish a Contractor's Qualification Statement.

The Bid shall be accompanied by a certified check, bank cashier's or treasurer's check or bid bond payable to Fleetwood Area School District in an amount no less than ten (10%) percent of the bid price.

and the fit to any person of the fit of the

A Pre-Bid meeting will be held at the Fleet-wood Area Middle School on April 7, 2015 at 2:30 PM and at An-drew Maier Elementary School on April 8, 2015 at 3:30 PM.

The project is subject to the provisions of the Pennsylvania Human Re-lations Act, P.L. 744 and the Pennsylvania Prevail-ing Wage Acts.

ing Wage Acts.

Biddens shall refer to the provisions of Federal and State Statutes, Rules and Regulations Gealing with the prevention of which was a state of the provision of

irregularities in the pro-posals.

The Fleetwood Area School Board reserves the right to reject any c all bids.

This publication never knowingly publishes advertis-ing that is unradiful, froudulent or misleading and has adopted standards for acceptance or rejection of advertis-ing. We strive to promote ethical business practices in the markeplace and to serve the best interest of the public. If you have questions as to the legitimacy of an advertise-ment after or claim, it is recommended that you contact the Better Business Bureau to check on the reliability of the firm below the off

the firm placing the ad.

The Better Business Bureau can be reached weekdays between the hours of 10:00 A.M. and 4:00 P.M. At 610-866-8780

#### Notice

PUBLIC NOTICE:

As a requirement of the City of Reading's National Polutier Declarage Elemination System N4F0ES) Permit number PN0005549, the City is researed to coents in in-Austrial professional program in accordance with the Glann Mater Act and the Glannal Previous Regulations (40 GFR 403).

Part 40 GFR 403, if (2) Might 1994 he control Regulations as well as Section 9 of the City of Reading's Server Use Control Regulation enumerations annual publication of a list of all industrial users which were in significant non-compliance (SNC) at any time during the previous network (12) months.

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The list of significant industrial users found to be in significant non-compliance during the previous twelve months starting January 1, 2014 to December 31, 2014 along with their current compliance status is as follows:

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#### PUBLIC NOTICE

As a requirement of the City of Reading's National Pollutant Discharge Elimination System (NPDES) Permit number PA0026549, the City is required to operate an industrial pretreatment program in accordance with the Clean Water Act and the General Pretreatment Regulations (40 CFR 403).

Part 40 CFR 403.8 (f) (2) (viii) of the General Regulations as well as Section 9 of the City of Reading's Sewer Use Ordinance 17-98, requires annual publication of a list of all industrial users which were in significant non-compliance (SNC) at any time during the previous twelve (12) months.

The list of significant industrial users found to be in significant non-compliance during the previous twelve months starting January 1, 2014 to December 31, 2014 along with their current compliance status is as follows:

Car Wash Partners dba Mister Car Wash
1 Cloister Court
Sinking Spring, PA 19608
City of Reading Industrial Waste Permit No. 80B
Nature of violation:

2<sup>nd</sup> Quarter-Failure to report a permit violation and failure to resample

Current compliance status:

In May, the company had wastewater samples taken and tested as outlined in their industrial waste discharge permit. The test results showed an oil and grease as performed as SGT-HEM violation. The violation was reported in the company's second quarter self monitoring report, but not within 24 hours of knowledge of the violation as required by the discharge permit. In addition, while another test for the parameter in violation was scheduled and taken, the sample was not taken and reported to the City within 30 days as required in the discharge permit. The company returned to compliance in the next quarter and remains in compliance as of the end of 2014.

Clover Farms Dairy
3300 Pottsville Pike
Reading, PA 19605
City of Reading Industrial Waste Permit No. 47I
Nature of violation:
2<sup>nd</sup> Quarter-Failure to report a permit violation
Current compliance status:

June self monitoring samples showed a pH violation which was reported on the quarterly self monitoring report and not within 24 hours of gaining knowledge of the violation as required in the discharge permit. This violation was the only one during the year that placed the company in SNC, as the company was not required to resample in this instance. The company has returned to compliance.

Crescent Brass Manufacturing Company
701 Park Avenue
Reading, PA 19611
City of Reading Industrial Waste Permit No. 73G
Nature of violation:
2<sup>nd</sup> Quarter - TRC violation of the mercury limit listed in its permit
2 Failure to report a permit violation
2 Failure to resample

#### Current compliance status:

The company submitted their second quarter self monitoring report past the due date as required in its discharge permit. The report indicated a copper and a mercury violation during May self monitoring sampling, neither of which were reported within 24 hours of knowledge of the violation as required by their permit. In addition, the company never took any additional samples and reported the results as required by their permit. Extra samples were taken by the City and, as a result, the company returned to compliance.

IFS Industries. Inc.

400 Orrton Avenue

Reading, PA 19611

City of Reading Industrial Waste Permit No. 79F

Nature of violation:

2<sup>nd</sup> Quarter-Failure to report 2 permit violations

Current compliance status:

The company submitted its second quarter self monitoring report in a timely fashion. Monthly oil and grease samples for HEM and SGT-HEM were taken as required by the discharge permit. The report indicated that both the May and June oil and grease HEM samples were in violation of the discharge permit. Neither of these violations were reported within 24 hours of gaining knowledge of the violations as per the company's discharge permit. The company has returned to compliance.

National/Yorgey's Cleaners

1700 Fairview Street

Reading, PA 19606

City of Reading Industrial Waste Permit No. 6H

Nature of violation:

2<sup>nd</sup> Quarter-TRC and chronic violation of the pH limit listed in its permit

3<sup>rd</sup> Quarter-TRC and chronic violation of the pH limit listed in its permit

4th Quarter-TRC and chronic violation of the pH limit in its permit

Current compliance status:

During normal City industrial sampling in April, a pH violation was noted. Two additional samples were taken in an attempt to keep the industry out of SNC. These two samples also showed a pH violation. The company made changes to their process hoping that the changes would eliminate the violations. However, a pH violation occurred during normal City sampling in July and during self monitoring sampling in December. Therefore, the company remained in SNC at the end of 2014.

Prizer Painter Stove Works, Inc.

600 Arlington Avenue

Reading, PA 19611

City of Reading Industrial Waste Permit No. 24H

Nature of violation:

2<sup>nd</sup> Quarter-Failure to report a permit violation

Current compliance status:

In June, a self monitoring sample showed a pH violation. A repeat pH sample was within the company's permit limits. However, the violation was not reported to the City within 24 hours of gaining knowledge of it. As this was the only violation during the course of the year, the company has returned to compliance.

Summit Steel and Manufacturing 1005 Patriot Parkway Reading, PA 19605 City of Reading Industrial Waste Permit No. 81B Nature of violation: 3<sup>rd</sup> and 4<sup>th</sup> Quarter-TRC violation of monthly zinc limit listed in its permit

Failure to report permit violation

Failure to resample

Current compliance status:

The results of the company's September self monitoring testing indicated a TRC violation of the monthly limit of zinc. This industry is categorical which is why it has a maximum daily limit for zinc as well as a maximum monthly limit. Due to the nature of the business process, very little waste water is generated. There was only one additional sample taken after the September sample and that was a routine City sample in November. The results of the November sample were well below both the daily and the monthly limits. Unfortunately, the inability to take any more samples meant that the violation carried over into the fourth quarter. The company was in SNC for the fourth quarter and remained in SNC at the end of 2014.

Termaco USA 171 Tuckerton Road Reading, PA 19605 Nature of violation:

4<sup>th</sup> Quarter-TRC violation of the mercury limit in its permit

Failure to report violation

Failure to resample

Current compliance status:

The company took self monitoring samples in December as required by its discharge permit. The results showed a mercury violation. All of the results were submitted to the City in the company's 4th quarter report. The company failed to report the violation within 24 hours of knowledge of the violation as required by its discharge permit nor did it resample after the violation again, as required in its discharge permit. The company remains in SNC at the end of 2014.

The list of non-significant industrial users found to be in significant non-compliance during the previous twelve months starting January 1, 2014 to December 31, 2014 along with their current compliance status is as follows:

Penske Truck Leasing 255 Penske Plaza Reading, PA 19602 Nature of violation: 4th Quarter-Failure to report violation

Current compliance status:

The company's fourth quarter self monitoring report was submitted in a timely fashion as required in the discharge permit. The report showed a violation of the zinc limit. This violation was not reported to the City within 24 hours of knowledge of the violation. The company took a resample which was within the permit limits. However, since the violation was not reported until submitting their self monitoring report, the company was in SNC for the fourth quarter and remains in SNC at this time.

Remcon Plastics, Inc.

208 Chestnut Street

Reading, PA 19602

City of Reading Industrial Waste Permit No. M002E

Nature of violation:

1st Quarter-TRC and chronic violation of the zinc limit listed in its permit

2<sup>nd</sup> Quarter- TRC and chronic violation of the zinc limit listed in its permit

Current compliance status:

A zinc violation occurred during normal City testing in February. Three additional samples tested for zinc were taken by the City in March. Two of these three samples were also in violation of the company discharge permit limitations. The company took a sample to be tested for zinc during normal self monitoring testing in May. This zinc sample was also found to be in violation. The results of a resample taken in June were shown to not be in violation of the discharge permit. No additional samples were taken during the year. The company has returned to compliance.

Unique Pretzel Bakery

215 E. Bellevue Avenue

Reading, PA 19605

City of Reading Industrial Waste Permit No. M029E

Nature of violation:

3<sup>rd</sup> Quarter-TRC violation of the copper limit listed in its permit

4<sup>th</sup> Quarter-TRC and chronic violation of the copper limit listed in its permit

Current compliance status:

During a normal sampling event, a sample taken by the City in September was found to be in violation of the company's copper permit limit. Due to the limited nature of the company's discharge as well as other issues, no other samples were able to be taken during the year. The company remains in SNC as of the end of 2014.

Van Bennett Food Company, Inc

101 North Carroll Street

Reading, PA 19611

City of Reading Industrial Waste Permit No. M030E

Nature of violation:

1<sup>st</sup> Quarter - TRC oil and grease (HEM)

Submitting first quarter self monitoring results after due date

Failure to report violation

Failure to resample

Current compliance status:

The company had self monitoring samples taken in January as required by their discharge permit. The testing showed a TRC oil and grease (HEM) violation. This violation was not reported to the city within 24 hours of knowledge of the violation as required in their permit. The company failed to resample and submit those results within 30 days of the original violation. The company did not submit a copy of the test results along with their first quarter self monitoring report. The second quarter test results were submitted with the first quarter report. Results from the first quarter self monitoring testing were

submitted after their due date. In the second quarter of 2014, the company returned to and remains in compliance.

Manager, or Jeffrey P. Hill, Environmental Program Coordinator, at 610-655-6121.

# APPENDIX 6 ENFORCEMENT ACTIONS

## **2014 ENFORCEMENT ACTIONS**

## **Significant Industrial Users**

	Enforcement Action				
Industry Name	Compliance	Notice of	Admin	Penalty	Nature of Violation
	Schedule	Violation	Order	Assessed	
Akzo Nobel Coatings		3		\$300	3 zinc
Aramark Uniform Services					
Bimbo Bakeries USA		1		\$100	1 oil and grease (HEM) at outfall 002
Berks Packing Company		2		\$200	2 oil and grease (HEM)
Carpenter Technology		1		\$100	1 copper
Car Wash Partners		3		\$1,600	1 oil and grease (SGT-HEM), 1 failure to report, 1 failure to resample
Clover Farms Dairy		15		\$42,000	6 pH, 8 oil and grease (HEM), 1 failure to report violation
Crescent Brass Manufacturing		7		\$3,300	2 late reports, 1 copper, 1 mercury, 2 failures to resample, 2 failures to report
Crossroads Beverage					
Cryovac Food Packaging					
Dairy Farmers of America					
Evergreen Community Power					
Exide - Plant One					
Plant Two					
Reading Recycling					
Hofmann Industries		1		\$100	1 zinc-monthly average
IFS Industries		9		\$22,600	6 oil and grease (HEM), 1 oil and grease (SGT-HEM), 2 failure to report
Interstate Container					
Lentz Milling				-	
National/Yorgey's Cleaners		7		\$2,500	5 pH, 1 oil and grease (HEM), 1 failure to report violation
Packaging Corp. of America					
Prizer Painter Stove Works		3		\$1,200	2 pH, 1 failure to report
Quadrant EEP USA					
Quaker Maid Meats					
Reading Eagle Company					
Reading Plating & Polishing					
Reading Truck Body					
Reitech Corporation					
Savor Street Foods		2		\$200	1 mercury, 1 pH
Sealed Air Corporation				\$50	1 late report, no NOV sent
St Joseph Downtown					
Summit Steel and Manufacturing		3		\$1,600	1 zinc-monthly average, 1 failure to report violation, 1 failure to resample
Sun Rich Fresh Foods					

#### **2014 ENFORCEMENT ACTIONS**

#### Significant Industrial Users

	Enforcement Action							
Industry Name	Compliance	Notice of	Admin	Penalty	Nature of Violation			
	Schedule	Violation	Order	Assessed				
Sweet Street Desserts		1		\$100	1 pH			
Termaco USA		3		\$1,600	1 mercury, 1 failure to report, 1 failure to resample			
Tom Sturgis Pretzels								
United Corrstack		1		\$100	1 oil and grease (SGT-HEM)			
Yuasa Battery								
TOTAL	0	62		\$77,650				

Initial fines for violations are as follows:

Failure to Report	\$1,000
Failure to Resample	\$500
Permit Limit violation	\$100
Late report	\$50
Late sampling/resampling	\$250
Failure to Report Violations	\$1,000
Failure to Report Monitoring Data	\$1,000
Failure to maintain pretreatment records/documents on site	\$500

#### **NOTES ON FINES ADMINISTERED:**

Clover Farms Dairy: pH violations were fined at \$500 in the first and second quarter. Three were fined at this rate. Oil and grease was fined at \$4500 in the first and second quarter. Four were fined at this rate. pH violations were fined at \$1000 in the third and fourth quarter. Two were fined at this rate.

IFS Industries: Oil and grease (HEM) was fined at \$3000 in the first quarter. One was fined at this rate. Oil and grease (HEM) was fined at \$3500 in the second and third quarter. Four were fined at this rate.

National/Yorgey's Cleaners: pH violations were fined at \$100 in the second and third quarters. Four were fined at this rate. Fine was raised to \$250 in the fourth quarter. One was fined at this rate.

## **2014 ENFORCEMENT ACTIONS**

## Non-Significant Industrial Users

		Enforcemen	t Action				
Industry Name	Compliance Notice of Schedule Violation		Admin Order	Penalty Assessed	Nature of Violation		
Air Liquide	Schedule	Violation	Order	Assesseu			
Akzo Nobel Coatings Inc-R&D Lab							
Diesel Service							
NGK Metals Corporation		·					
Paragon Optical							
Pennsylvania Truck Centers		1		\$1,100	1 Zn, 1 failure to report		
Penske Truck Leasing		1		\$100	1 Zn		
Remcon Plastics		4		\$400	1 Cu, 3 Zn		
Ultra Wash of Philadelphia							
Unique Pretzel Bakery		1		\$100	1 copper		
Van Bennett Food Company		4		\$1,650	1 oil and grease (HEM), 1 late report, 1 failure to report,		
					1 failure to resample		
WORLD electronics							
TOTAL	0	11	0	\$3,350			

Failure to Report	\$1,000
Failure to Resample	\$500
Permit Limit violation	\$100
Late report	\$50
Late sampling/resampling	\$250
Failure to Report Violations	\$1,000
Failure to Report Monitoring Data	\$1,000

# APPENDIX 7 PAYMENT STATUS

## City of Reading Industrial Pretreatment Penalty Payment Status

# Industrial Waste Register Bill Summary 1/1/2014 to 3/30/2015

License No.	Name	Issue Date	Comments	Billed	<u>Paid</u>	<b>PaidDate</b>
February 20						
FINES - 54						
337763	CRESCENT BRASS MANUFACTURING	02/20/2014		\$265.05	-\$265.05	02/21/2014
337763	CRESCENT BRASS MANUFACTURING	02/20/2014		\$265.05	-\$265.05	02/21/2014
337763	CRESCENT BRASS MANUFACTURING	02/20/2014		\$265.05	-\$265.05	02/21/2014
				\$795.15	-\$795.15	
March 2014						
FINES - 54	-07-00-3622					
331117	CLOVER FARMS DAIRY	03/24/2014	2013-4TH Q	\$5,000.00	-\$5,000.00	04/23/2014
331089	IFS INDUSTRIES	03/24/2014	2013-4TH Q	\$3,050.00	-\$3,050.00	04/10/2014
331628	INTERSTATE CONTAINER READING	03/24/2014	2013-4TH Q	\$250.00	-\$250.00	04/10/2014
336996	NATIONAL/YORGEY'S CLEANERS	03/24/2014	2013-4TH Q	\$200.00		############
331621	PRIZER PAINTER STOVE WORKS	03/24/2014	2013-4TH Q	\$50.00	-\$50.00	04/22/2014
331094	QUAKER MAID MEATS	03/24/2014	2013-4TH Q	\$200.00	-\$200.00	04/30/2014
				\$8,750.00	-\$8,550.00	
April 2014						
FINES - 54	-07-00-3622					
337763	CRESCENT BRASS MANUFACTURING	04/04/2014		\$265.05	-\$265.05	04/18/2014
337763	CRESCENT BRASS MANUFACTURING	04/14/2014		\$265.05	-\$265.05	04/18/2014
				\$530.10	-\$530.10	
June 2014		•				
FINES - 54	-07-00-3622					
337763	CRESCENT BRASS MANUFACTURING	06/18/2014		\$265.05	-\$265.05	06/20/2014
337763	CRESCENT BRASS MANUFACTURING	06/18/2014		\$265.05	-\$265.05	06/20/2014
			·	\$530.10	-\$530.10	
July 2014						
FINES - 54		0=11.1/0511	1077 0 2014	<b>#100.00</b>	<b>#100.00</b>	00/05/001
365365	AKZO NOBEL COATINGS	07/14/2014	1ST Q 2014	\$100.00	-\$100.00	09/05/2014
		Page 1 of 3				

331620	BERKS PACKING	07/14/2014	1ST Q 2014	\$200.00	-\$200.00	08/08/2014
364195	BIMBO BAKERIES USA, INC.	07/14/2014	1ST Q 2014	\$100.00	-\$100.00	08/06/2014
334354	CARPENTER CORPORATION	07/14/2014	1ST Q 2014	\$100.00	-\$100.00	08/19/2014
331117	CLOVER FARMS DAIRY	07/14/2014	1ST Q 2014	\$5,000.00	-\$5,000.00	08/14/2014
331089	IFS INDUSTRIES	07/14/2014	1ST Q 2014	\$3,000.00	-\$3,000.00	08/04/2014
331628	INTERSTATE CONTAINER READING	07/14/2014	1ST Q 2014	\$50.00	-\$50.00	08/04/2014
331154	PENSKE TRUCK LEASING	07/14/2014	1ST Q 2014	\$100.00	-\$100.00	09/11/2014
334341	REMCON PLASTICS INC	07/15/2014	1ST Q 2014	\$400.00	-\$400.00	08/08/2014
331097	SEALED AIR CORP	07/15/2014	1ST Q 2014	\$50.00	-\$50.00	08/06/2014
338340	VAN BENNETT	07/15/2014	1ST Q 2014	\$1,650.00	\$0.00	############
				\$10,750.00	-\$9,100.00	•
A	4					
August 201 FINES - 54						
337763	CRESCENT BRASS MANUFACTURING	08/12/2014		\$265.05	-\$265.05	09/05/2014
337763	CRESCENT BRASS MANUFACTURING	08/12/2014		\$265.05	-\$265.05	09/05/2014
				\$530.10	-\$530.10	
September						
FINES - 54						
365365	AKZO NOBEL COATINGS	09/24/2014	2014-2ND Q	\$100.00	-\$100.00	10/22/2014
341901	CAR WASH PARTNERS DBA MISTER C	09/24/2014	2014-2ND Q	\$1,600.00	-\$1,600.00	10/30/2014
331117	CLOVER FARMS DAIRY	09/24/2014	2014-2ND Q	\$10,500.00	-\$10,500.00	10/30/2014
337763	CRESCENT BRASS MANUFACTURING	09/24/2014	2014-2ND Q	\$3,250.00		#############
372043	CROSSROADS BEVERAGE GROUP	09/24/2014	2014-2ND Q	\$50.00	-\$50.00	
331089	IFS INDUSTRIES	09/24/2014	2014-2ND Q	\$12,600.00	-\$12,600.00	10/29/2014
331628	INTERSTATE CONTAINER READING	09/24/2014	2014-2ND Q	\$50.00	*****	############
336996	NATIONAL/YORGEY'S CLEANERS	09/24/2014	2014-2ND Q	\$300.00		############
331621	PRIZER PAINTER STOVE WORKS	09/24/2014	2014-2ND Q	\$1,100.00	-\$1,100.00	10/24/2014
334341	REMCON PLASTICS INC	09/24/2014	2014-2ND Q	\$100.00	-\$100.00	10/30/2014
331082	SWEET STREET DESSERTS	09/24/2014	2014-2ND Q	\$100.00	-\$100.00	10/21/2014
337711	WORLD ELECTRONICS	09/24/2014	2014-2ND Q	\$50.00	-\$50.00	10/15/2014
				\$29,800.00	-\$26,200.00	
October 20	14					
FINES - 54						
337763	CRESCENT BRASS MANUFACTURING	10/29/2014		\$265.05	-\$265.05	11/06/2014
				\$265.05	-\$265.05	
December 2	014					

Page 2 of 3

FINES - 54-6	07-00-3622					
337763	CRESCENT BRASS MANUFACTURING	12/03/2014		\$265.05	-\$265.05	12/16/2014
337763	CRESCENT BRASS MANUFACTURING	12/15/2014		\$530.10	\$0.00	###############
				\$795.15	-\$265.05	
January 2015						
<b>FINES - 54-</b>	07-00-3622					
365365	AKZO NOBEL COATINGS	01/09/2015	2014-3RD Q	\$100.00	-\$100.00	02/18/2015
331117	CLOVER FARMS DAIRY	01/09/2015	2014-3RD Q	\$22,000.00	-\$22,000.00	02/18/2015
337763	CRESCENT BRASS MANUFACTURING	01/30/2015		\$530.10	-\$530.10	02/05/2015
331089	IFS INDUSTRIES	01/09/2015	2014-3RD Q	\$7,000.00	-\$7,000.00	02/18/2015
331628	INTERSTATE CONTAINER READING	01/09/2015	2014-3RD Q	\$50.00	\$0.00	############
336996	NATIONAL/YORGEY'S CLEANERS	01/09/2015	2014-3RD Q	\$100.00	\$0.00	###########
331621	PRIZER PAINTER STOVE WORKS	01/09/2015	2014-3RD Q	\$100.00	-\$100.00	02/05/2015
346650	SUMMIT STEEL AND MANUFACTURING	01/09/2015	2014-3RD Q	\$1,600.00	\$0.00	############
345103	SUN RICH FRESH FOODS INC	01/09/2015	2014-3RD Q	\$50.00	-\$50.00	02/26/2015
337715	UNIQUE PRETZELS	01/09/2015	2014-3RD Q	\$100.00	-\$100.00	01/28/2015
337713	UNITED CORRSTACK	01/09/2015	2014-3RD Q	\$100.00	-\$100.00	01/28/2015
338340	VAN BENNETT	01/09/2015	2014-3RD Q	\$50.00	\$0.00	############
				\$31,780.10	-\$29,980.10	
35 1 2015						
March 2015	DE 00 2/22					
FINES - 54-0		00/00/00/		2522.12	0.720.10	00/00/00/
337763	CRESCENT BRASS MANUFACTURING	03/03/2015		\$530.10	-\$530.10	03/23/2015
				\$530.10	-\$530.10	
			Grand Total	\$85,055.85	-\$77,275.75	
				400,000.00	#779#70#10	

NOTES: December - Crescent Brass Manufacturing appears in other reports as an adjustment or amount entered in error, not unpaid

Corrected Grand Total: \$84,525.75 (\$77,275.75)

03/30/2015 FWW002

## City of Reading Industrial Pretreatment Penalty Payment Status

# Industrial Waste Register Bill Summary 1/1/2013 to 12/31/2013

License No.	Name	Issue Date	Comments	Billed	<u>Paid</u>	<u>PaidDate</u>		
January 2013	3							
<b>FINES - 54-</b>	07-00-3622							
337759	AIR LIQUIDE	01/09/2013	3RD Q 2012	\$100.00	-\$100.00	01/24/2013		
337760	BACHMAN COMPANY	01/09/2013	2012-3RD Q	\$100.00	-\$100.00	02/06/2013		
364195	BIMBO BAKERIES USA, INC.	01/09/2013	2012-3RD Q	\$100.00	-\$100.00	02/14/2013		
341901	CAR WASH PARTNERS DBA MISTER C	01/09/2013	2012-3RD Q	\$600.00	-\$600.00	01/31/2013		
331117	CLOVER FARMS DAIRY	01/09/2013	2012-3RD Q	\$28,250.00	-\$28,250.00	02/14/2013		
337763	CRESCENT BRASS MANUFACTURING	01/23/2013		\$265.05	-\$265.05	01/24/2013		
331628	INTERSTATE CONTAINER READING	01/09/2013	2012-3RD Q	\$200.00	-\$200.00	03/28/2013		
331094	QUAKER MAID MEATS	01/09/2013	2012-3RD Q	\$100.00	-\$100.00	02/28/2013		
340271	READING TRUCK BODY LLC	01/09/2013	2012-3RD Q	\$50.00	-\$50.00	02/05/2013		
337710	YUASA BATTERY INC	01/09/2013	2012-3RD Q	\$1,100.00	-\$1,100.00	01/31/2013		
				\$30,865.05	-\$30,865.05			
February 20 FINES - 54- 337763		02/07/2013		\$265.05	-\$265.05	02/14/2013		
557765		02.01.2012		\$265.05	-\$265.05			
April 2013 FINES - 54- 337763 337763	07-00-3622  CRESCENT BRASS MANUFACTURING  CRESCENT BRASS MANUFACTURING	04/19/2013 04/19/2013		\$265.05 \$265.05 \$530.10	-\$265.05 -\$265.05	04/30/2013 04/30/2013		
May 2013 FINES - 54-07-00-3622								
365365	AKZO NOBEL COATINGS	05/30/2013	2013-1ST Q	\$200.00	-\$200.00	07/15/2013		
331155	ARAMARK UNIFORM SERVICES	05/01/2013	2012-4TH Q	\$100.00	-\$100.00	05/31/2013		
331155	ARAMARK UNIFORM SERVICES	05/30/2013	2013-1ST Q	\$100.00	-\$100.00	06/28/2013		
337760	BACHMAN COMPANY	05/01/2013	2012-4TH Q	\$100.00	-\$100.00	05/31/2013		
		Page 1 of 3						

331620	BERKS PACKING	05/01/2013	2012-4TH Q	\$200.00	-\$200.00	05/16/2013
364195	BIMBO BAKERIES USA, INC.	05/30/2013	2013-1ST Q	\$1,950.00	-\$1,950.00	07/12/2013
341901	CAR WASH PARTNERS DBA MISTER C	05/01/2013	2012-4TH Q	\$500.00	-\$500.00	05/31/2013
331117	CLOVER FARMS DAIRY	05/01/2013	2012-4TH Q	\$15,500.00	-\$15,500.00	05/21/2013
331117	CLOVER FARMS DAIRY	05/30/2013	2013-1ST Q	\$18,700.00	-\$18,700.00	06/25/2013
365363	DAIRY FARMERS OF AMERICA	05/01/2013	2012-4TH Q	\$4,200.00	-\$4,200.00	05/31/2013
338910	HOFMANN INDUSTRIES	05/01/2013	2012-4TH Q	\$300.00	-\$300.00	06/14/2013
338910	HOFMANN INDUSTRIES	05/30/2013	2013-1ST Q	\$700.00	-\$700.00	07/15/2013
331089	IFS INDUSTRIES	05/01/2013	2012-4TH Q	\$3,000.00	-\$3,000.00	05/23/2013
331089	IFS INDUSTRIES	05/30/2013	2013-1ST Q	\$3,000.00	-\$3,000.00	06/19/2013
366313	PACKAGING CORP OF AMERICA	05/01/2013	2012-4TH Q	\$50.00	-\$50.00	05/31/2013
337731	PARAGON OPTICAL	05/01/2013	2012-4TH Q	\$2,000.00	\$0.00	############
331154	PENSKE TRUCK LEASING	05/01/2013	2012-4TH Q	\$100.00	-\$100.00	05/31/2013
331621	PRIZER PAINTER STOVE WORKS	05/01/2013	2012-4TH Q	\$150.00	-\$150.00	06/11/2013
331094	QUAKER MAID MEATS	05/30/2013	2013-1ST Q	\$100.00	-\$100.00	06/28/2013
340271	READING TRUCK BODY LLC	05/30/2013	2013-1ST Q	\$100.00	\$0.00	###########
375937	ULTRA WASH OF PHILADELPHIA, IN	05/30/2013	2013-1ST Q	\$50.00	-\$50.00	06/24/2013
337713	UNITED CORRSTACK	05/30/2013	2013-1ST Q	\$100.00	-\$100.00	06/20/2013
338340	VAN BENNETT	05/30/2013	2013-1ST Q	\$1,300.00	-\$1,300.00	08/21/2013
				\$52,500.00	-\$50,400.00	
June 2013						
FINES - 54-	07-00-3622					
337763	CRESCENT BRASS MANUFACTURING	06/04/2013		\$265.05	-\$265.05	06/06/2013
				\$265.05	-\$265.05	
July 2013						
FINES - 54-	07-00-3622					
337763	CRESCENT BRASS MANUFACTURING	07/15/2013		\$265.05	-\$265.05	07/23/2013
337763	CRESCENT BRASS MANUFACTURING	07/15/2013		\$265.05	-\$265.05	07/23/2013
337703	CRESCENT BRAISS MAINTENANCE	07/13/2013		\$530.10	-\$530.10	0772372013
September 2	013			\$550.10	3000110	
FINES - 54-						
377019	AKZO NOBEL COATINGS, INC. R&D	09/19/2013	2013-2ND Q	\$100.00	-\$100.00	10/15/2013
364195	BIMBO BAKERIES USA, INC.	09/19/2013	2013-2ND Q	\$500.00	-\$500.00	10/15/2013
331117	CLOVER FARMS DAIRY	09/19/2013	2013-2ND Q	\$24,000.00	-\$24,000.00	10/18/2013
337763	CRESCENT BRASS MANUFACTURING	09/19/2013	2013-2ND Q	\$2,200.00	-\$2,200.00	10/21/2013
	CKESCENT DRASS MANUTACTURING					
337763				*	,	
337763 337763	CRESCENT BRASS MANUFACTURING CRESCENT BRASS MANUFACTURING	09/30/2013 09/30/2013		\$265.05 \$265.05	-\$265.05 -\$265.05	10/09/2013 10/09/2013

365363	DAIRY FARMERS OF AMERICA	09/19/2013	2013-2ND Q	\$8,000.00	-\$8,000.00	10/01/2013
331089	IFS INDUSTRIES	09/19/2013	2013-2ND Q	\$6,000.00	-\$6,000.00	10/04/2013
331628	INTERSTATE CONTAINER READING	09/19/2013	2013-2ND Q	\$600.00	-\$600.00	10/08/2013
338345	LENTZ MILLING	09/19/2013	2013-2ND Q	\$250.00	-\$250.00	10/15/2013
336996	NATIONAL/YORGEY'S CLEANERS	09/19/2013	2013-2ND Q	\$200.00	-\$200.00	01/21/2014
334341	REMCON PLASTICS INC	09/19/2013	2013-2ND Q	\$300.00	-\$300.00	10/10/2013
377020	SAVOR STREET FOODS	09/19/2013	2013-2ND Q	\$50.00	-\$50.00	10/15/2013
337723	ST JOSEPH MEDICAL CENTER	09/19/2013	2013-2ND Q	\$300.00	-\$300.00	10/21/2013
331082	SWEET STREET DESSERTS	09/19/2013	2013-2ND Q	\$1,200.00	-\$1,200.00	10/15/2013
337716	TOM STURGIS PRETZELS INC	09/19/2013	2013-2ND Q	\$100.00	-\$100.00	10/18/2013
338340	VAN BENNETT	09/19/2013	2013-2ND Q	\$100.00	-\$100.00	10/15/2013
337710	YUASA BATTERY INC	09/19/2013	2013-2ND Q	\$100.00	-\$100.00	10/10/2013
				\$44,530.10	-\$44,530.10	
November 2	2013					
FINES - 54						
337763	CRESCENT BRASS MANUFACTURING	11/18/2013		\$265.05	-\$265.05	11/25/2013
337763	CRESCENT BRASS MANUFACTURING	11/18/2013		\$265.05	-\$265.05	11/25/2013
				\$530.10	-\$530.10	
December 2						
FINES - 54						
341901	CAR WASH PARTNERS DBA MISTER C	12/19/2013	2013-3RD Q	\$600.00	-\$600.00	01/29/2014
334354	CARPENTER CORPORATION	12/19/2013	2013-3RD Q	\$1,600.00	-\$1,600.00	04/28/2014
331117	CLOVER FARMS DAIRY	12/19/2013	2013-3RD Q	\$21,750.00	-\$21,750.00	01/22/2014
337763	CRESCENT BRASS MANUFACTURING	12/19/2013	2013-3RD Q	\$100.00	-\$100.00	01/29/2014
331628	INTERSTATE CONTAINER READING	12/19/2013	2013-3RD Q	\$200.00	-\$200.00	01/30/2014
337726	READING PLATING & POLISHING	12/19/2013	2013-3RD Q	\$200.00	-\$200.00	01/29/2014
340271	READING TRUCK BODY LLC	12/19/2013	2013-3RD Q	\$100.00	-\$100.00	01/31/2014
377020	SAVOR STREET FOODS	12/19/2013	2013-3RD Q	\$100.00	-\$100.00	01/29/2014
331082	SWEET STREET DESSERTS	12/19/2013	2013-3RD Q	\$50.00	-\$50.00	01/14/2014
337716	TOM STURGIS PRETZELS INC	12/19/2013	2013-3RD Q	\$300.00	-\$300.00	01/14/2014
337713	UNITED CORRSTACK	12/19/2013	2013-3RD Q	\$100.00	-\$100.00	01/15/2014
338340	VAN BENNETT	12/19/2013	2013-3RD Q	\$50.00	-\$50.00	04/10/2014
				\$25,150.00	-\$25,150.00	
				\$155,165.55	-\$153,065.55	

FWW002

#### APPENDIX 8

# DATA MONITORING SPREADSHEET QUARTERLY INFLUENT, EFFLUENT AND BIOSOLIDS SAMPLING

#### ANNUAL PRIORITY POLLUTANT SCANS ON PLANT INFLUENT, EFFLUENT AND BIOSOLIDS

#### PERFORMED:

9/21-22/14:

Influent

9/21-22/14: 1/8/14:

Effluent

Biosolids

MONTHLY 503 ANALYSIS FOR PLANT BIOSOLIDS BIOSOLIDS FORM 43 PERFORMED 1/8/14 AND 7/2/14

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# DATA MONITORING SPREADSHEET QUARTERLY INFLUENT, EFFLUENT AND BIOSOLIDS SAMPLING

# ANNUAL PRIORITY POLLUTANT SCANS ON PLANT INFLUENT, EFFLUENT AND BIOSOLIDS

### PERFORMED:

9/21-22/14:

Influent

9/21-22/14:

Effluent

1/8/14:

Biosolids

0.00 0.01 0.098 0.07 0.014 0.007 0.0007 4/25/2014 7/30/2014 7/31/2014 9/21/2014 <0.005 <0.005 <0.002 <0.01 Quarterly Quarterly Quarterly Quarterly Quarterly PP 9 21 0.008 0.004 0.291 3.2 0.019 0.277 0.0002 0.038 0.075 0.02 0.011 0.001 <0.005 <0.005 16 0.065 <0.004 <0.00 5 0.232 Frequency 2/20/2014 2/21/2014 4/24/2014 0.013 0.05 0.007 0.01 0.091 0.0001 <0.005 <0.005 <0.001 18 0.005 0.064 <0.004 ر ک 9.9 0.02 0.018 0.264 0.01 0.0001 0.017 0.071 4 < 0.005 4 < 0.005 4 < 0.001 4 4 4 4 4 0 4 UNITS: MG/L 0.3618 0.0989 0.0002 0.3825 0.0198 0.1293 0.1602 0.023 0.34 0.0581 0.014 0.027 0.4668 Goals 0.0594 JITY OF READING WWTP Pollutant PAP026549 INFLUENT Facility Name: Facility ID: \_ocation: 46000 01092 71900 00720 01062 01067 01147 01077 01002 01034 01042 00722 01051 01027

23.8 50.4 314 5.11 May 343 25 331 April 345 407 27 March 365 314 27.2 January February 399 353 29.3 52.4 0.004 0.069 14 9/22/2014 11/17/2014 11/18/2014 Quarterly Quarterly <0.00 Ŝ 9.9 0.02 0.008 0.011 0.012 0.01 0.327 0.017 <0.0001 <0.005 <0.005 7.3 12 0.11 <0.004 <0.004 dd Ş UITY OF READING WWTP Pollutant PAP026549 INFLUENT Facility Name: Facility ID: Location: 01092 71900 46000 01147 00720 01062 01077 01034 01042 00722 01051 01067 01002 01027

DTfl August September October November December Date 8.9 350 29.3 59.4 392 378 61.6 8.14 428 32.7 372 29.3 58.6 412 7.51 32.4 64.6 8.36 444 382 404 350 28.3 56.2 8.77 5.98 356 339 27.3 45.6 July 7.04 402 28.9 55.4 June LITY OF READING WWTP **Pollutant** PAP026549 INFLUENT Facility Name: Facility ID: \_ocation: 01067 46000 00722 00720 71900 01092 01062 01147 01077 01034 01042 01051 01002 01027

Facility Name:	IVITY OF READING WWTP
Facility ID:	PAP026549
Location:	INFLUENT
	Pollutant
01002	Miseric terms - temperated
01027	CATMINA STOLEN
01034	ARSENICATE AREA CARAMENTAL CARAME
01042	Congress
00722	COMPERSION OF THE CONTROL OF THE CON
00720	CYANIDE TOTAL
01051	BEAD FOR SELECTION OF SELECTION
71900	MERCUNG TOPICS
01062	MERCURY COLORS  MORGOENUS COLORS  NICKELEROFAL
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46000	PHENOLOGICAL CONTRACTOR OF THE PROPERTY OF THE
01147	
01077	
01092	
	Grand Crane

# Entry Count 134 Total 5

Facility Name:	INTY OF READING WWTP			_						
Facility ID:	PAP026549	UNITS:	MG/L			172-1110 P. (11111   11111   11111   11111   11111   11111   11111   11111   11111   11111   11111   11111   1				
Location:	EFFLUENT			Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly
1920年9月1日	Pollutant		THE STREET PARTY OF THE STREET		2/21/2014		4/25/2014		7/31/2014	11/17/2014
01002	ARSENIC- TOTAL	0.427		<0.001		<0.001		<0.001		0.012
01027	CADMIUM- TOTAL	0.018		<0.005		<0.005		<0.005		<0.005
01034	CHROMIUM- TOTAL	0.022		<0.005		<0.005		0.008		<0.005
01042	COPPER- TOTAL	0.075	4	0.022		0.028		0.019		0.018
00722	CYANIDE- FREE (AMENABLE)	0.023	4		0.014		<0.004		<0.004	
00720	CYANIDE- TOTAL	Monitor	4		0.023		<0.004		<0.004	
01051	LEAD- TOTAL	0.111	4	<0.01		<0.01		0.002		<0.01
71900	MERCURY- TOTAL	0.00007	4	<0.0001		<0.0001		<0.0001		<0.0001
01062	MOLYBDENUM- TOTAL	No Goal	0	0.02		0.02		0.02		0.02
01067	NICKEL- TOTAL	3.43	4	<0.005		<0.005		0.006		0.006
46000	PHENOLS- TOTAL	0.136	0	<0.01	<0.01		0.018		0.13	
01147	SELENIUM- TOTAL	0.027	0							
01077	SILVER- TOTAL	0.037	4	<0.005		<0.005		<0.005		<0.005
01092	ZINC- TOTAL	0.406	4	0.082		0.084		0.087		0.07
	Oil and Grease				<5		<5		<5	
	Silica Gel				<5		<5		<5	
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Facility Name	e: (CITY OF READING WWTP		
Facility ID:	PAP026549		
Location:	EFFLUENT	Quarterly	Entry Count
		11/18/2014	DTfl 62 Total
01002	ARSENIC- TOTAL		4
01027	CADMIUM- TOTAL		4
01034	CHROMIUM- TOTAL		4
01042	COPPER- TOTAL		4
00722	CYANIDE- FREE (AMENABLE)	<0.004	4
00720	CYANIDE- TOTAL	<0.004	4
01051	LEAD- TOTAL		4
71900	MERCURY- TOTAL		4
01062	MOLYBDENUM- TOTAL		4
01067	NICKEL- TOTAL		4
46000	PHENOLS- TOTAL	0.058	5
01147	SELENIUM- TOTAL		0
01077	SILVER- TOTAL		4
01092	ZINC- TOTAL		4
	Oil and Grease	<5	4
	Silica Gel	<5	4
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Facility Name	: JUITY OF READING WWTP									
Facility ID:	PAP026549	UNITS:	The state of the s							
Location:	SLUDGE		H-11-70-70-70-70-70-70-70-70-70-70-70-70-70-	Form 43/PP						Quarterly
	Pollutant		Frequency	<del></del>				4/2/2014	<del> </del>	5/6/2014
01002	ARSENIC-TOTAL	41		2	3.09		4.97	3.98	<del>                                     </del>	
01027	CADMIUM-TOTAL	39	4	<2.66	2.99	3.51	3.56	3.22	3.58	
01034	CHROMIUM- TOTAL	Monitor	4	78.2	92.8	95.8	155.8	118.6	124.3	129
01042	COPPER- TOTAL	1500	4	437	443.6	411.9	409.8	445.2	468.2	
00722	CYANIDE- FREE (AMENABLE)	Monitor	4	2.7						3
00720	CYANIDE- TOTAL	Monitor	4	3						5.4
01051	LEAD- TOTAL	300	4	85	96.7	96.3	86.3	89.5	106	
71900	MERCURY-TOTAL	17	4	2	1.2	1.18	1.26	1.48	1.28	
01062	MOLYBDENUM- TOTAL	75	0	30	40.1	40.2	51.9	56.7	60.4	
01067	NICKEL- TOTAL	420	4	28	37.6	48.4	85.7	55.2	52.3	
46000	PHENOLS- TOTAL	No Goal	0	29						22
01147	SELENIUM-TOTAL	100	1	4	4.42	4.7		6.43	8.3	
01077	SILVER-TOTAL	Monitor	4	4						5.4
01092	ZINC- TOTAL	2800	4	1200	1314	1245.7	1220	1319.8	1342	
	Phosphorus, Total			10100						17900
	Oil and Grease			161570						49700
	Oil and Grease, TPH			2890						16740
	Nitrogen Ammonia			4600						
	BOD			96800	1					
	PCB's	## # # # #		<53.2	<0.36	<0.33	<0.37	<0.16	<0.13	
				1			-			
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Facility Name: IUITY OF READING WWTP Facility ID: PAP026549 Quarterly PS PS Local Limit Local Limit Local Limit PS SLUDGE PS Location: PS 7/2/2014 9/3/2014 9/29/2014 9/30/2014 10/2/2014 10/14/2014 6/3/2014 7/2/2014 8/6/2014 Pollutant 2 < 0.568 5.45 5.62 4.45 3.5 **ARSENIC-TOTAL** 7.3 01002 3.83 3.89 3.71 4.36 3 3.34 01027 CADMIUM- TOTAL 01034 109 175.7 179.1 109 110 103 136.6 CHROMIUM- TOTAL 143 119.6 523.7 526 555 507 523.1 01042 481.3 509.4 520.6 **COPPER-TOTAL** <2.27 <2 <2.1 00722 CYANIDE- FREE (AMENABLE) <2 6.2 5 00720 CYANIDE- TOTAL 5.8 150 01051 LEAD- TOTAL 182.1 140.4 140 120 108.1 180.2 148.9 1.44 2.22 1.59 3 2 1.24 71900 MERCURY- TOTAL 1.81 56 64.2 64.6 79 74 76 79.7 01062 MOLYBDENUM- TOTAL 61.8 52 76.8 65.8 53 01067 61 119.2 **NICKEL-TOTAL** 68.4 123.4 25 34 31 39 46000 PHENOLS- TOTAL 4 < 1.14 3.62 01147 **SELENIUM-TOTAL** 5.58 5.67 4.12 6.3 01077 SILVER-TOTAL 5.7 5.9 1810 <<del>28.4</del> <27.0-UPO 01092 ZINC- TOTAL 1478.3 1549.5 1661 1675.3 1394.4 17000 11400 Phosphorus, Total 12000 20200 27600 19320 30280 Oil and Grease 23000 9079 6189 Oil and Grease, TPH 5322 10400 7600 4600 7730 Nitrogen Ammonia 70300 BOD 100000 83000 < 0.14 <5.26 <5.68 < 5.40 <0.15 < 0.13 <2.45 < 0.13 PCB's <0.15

Facility ID:	PAP026549	┪						
Location:	SLUDGE	Quarterly	Quarterly	PS -	PS		1	Entry Count
	Pollutant	10/14/2014					DTfl	243 Tota
01002	ARSENIC-TOTAL	in the state of th	3	<del>                                     </del>			1	17
01027	CADMIUM- TOTAL			3.01	2.89		1	16
01034	CHROMIUM- TOTAL	112	102	115.5	191.5		1	20
01042	COPPER-TOTAL			466.4	436.7			16
00722	CYANIDE- FREE (AMENABLE)	3	3					8
00720	CYANIDE-TOTAL	5.9	4					8
01051	LEAD- TOTAL			118.5	95.2		1	16
71900	MERCURY-TOTAL			1.42	1.18		1	16
01062	MOLYBDENUM-TOTAL			59.7	50.9		1	16
01067	NICKEL-TOTAL			60.7	49.6		1	16
46000	PHENOLS-TOTAL	30	37					8
01147	SELENIUM-TOTAL			4.37	4.07			15
01077	SILVER-TOTAL	5.9						6
01092	ZINC- TOTAL			1565.1	1289.1			16
	Phosphorus, Total	16400	15700				1	8
	Oil and Grease	41690	32930				1	8
	Oil and Grease, TPH	14350	10500				1	8
	Nitrogen Ammonia						]	4
	BOD	YIII					1	4
						-	1	
							1	
	PCB's	.#		<0.15	<0.15		]	17
							]	0
		100 100 100 100 100 100 100 100 100 100				1		0
								0
								0
								0
							1	0
							]	0
							]	0
								0
							]	0



M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

Sample Desc: Final 14-1628 (Composite)

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report:

02/28/14

Lab ID:

124-14-0007556

Date Collected: 02/20/14 08:25

Collected By:

CLIENT

Date Received:

02/21/14 15:10

·							,	,
			Rep.	Dilutn		Test	Test	
	Result	Unit	Limit	Factor	Procedure	Date	Time	Analyst
CHEMISTRY								
COLORMETRIC								
Phosphorus as P, Total	2.9	mg/l	.5	10	SM 4500P-E	02/2/	16:36	ALD.
INORGANIC	2.7	mg/ c			311 43007**E	02/24	10.30	ALU
TOTAL								
Arsenic, Total	<.001	mg/t	.001	1	EPA 200.9	02/24	10:37	LNA
Cadmium, Total	<.005	mg/L	.005	1	EPA 200.7	•	13:28	LNA
Chromium, Total	<.005	mg/L	.005	1	EPA 200.7		13:28	LNA
Copper, Total	0.022	mg/L	.01	1	EPA 200.7	•	13:28	LNA
Lead, Total	<.01	mg/L	. 01	1	EPA 200.7	•	13:28	LNA
Mercury, Total	<.0001	mg/L	.0001	1	EPA 245.1	•	13:29	JXS
Molybdenum, Total	0.02	mg/l	.01	1	EPA 200.7	•	13:28	LNA
Nickel, Total	<.005	mg/l	.005	1	EPA 200.7		13:28	LNA
Silver, Total	<.005	mg/l	.005	1	EPA 200.7		14:36	
Zinc, Total	0.082	mg/t	.005	1	EPA 200.7	,	13:28	
ORGANIC								
BASE NEUTRALS								
Bis(2-Ethylhexyl) phthalate	<5	ug/l	5	1	EPA 625	02/27	22:11	MEB
EXTRACTION						·		
EPA 625 Extraction	Complete		0	0	EPA 625	02/24	09:00	RDD

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Reviewed and Approved by:

Richard Wolfe Technical Director

Page 1 of 1







M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

Sample Desc: Final 14-1629 (Grab)

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 02/28/14

Lab ID:

124-14-0007557

Date Collected: 02/21/14 08:27

Collected By:

CLIENT

Date Received: 02/21/14 15:10

	Result	Unit	Rep. Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Cyanide, Free	0.014	mg/l	.004	1	DEP 1	02/24	16:49	JCL
Cyanide, Total	0.023	mg/L	.004	1	10204001X	02/26	12:35	JCL
Phenols (4AAP)	<.01	mg/L	.01	1	EPA 420.4	02/25	13:40	JCL
O&G/TPH						,		
GENERAL								
N-Hexane Extractable Material (O&G)	<5	mg/L	5	1	EPA 1664	02/24	05:00	WXC
Silica Gel Treated N-Hexane Extract(TPH)	<5	mg/L	5	1	EPA 1664	02/24	05:00	WXC

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Richard Wolfe

Technical Director

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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

Sample Desc: Raw 14-1660 (Grab)

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 02/26/14

Lab ID:

124-14-0007555

Date Collected: 02/21/14 09:14

Collected By:

Client

Date Received:

02/21/14 15:10

	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Cyanide, Free	<.004	mg/l	.004	1	DEP 1	02/24	16:48	JCL
Cyanide, Total	0.005	mg/l	.004	1	10204001X	02/24	16:42	JCL
Phenols (4AAP)	0.064	mg/l	.01	1	EPA 420.4	02/25	13:40	JCL
O&G/TPH								
GENERAL								
N-Hexane Extractable Material (O&G)	18	mg/L	5	1	EPA 1664	02/24	05:00	WXC
Silica Gel Treated N-Hexane Extract(TPH)	<5	mg/l	5	1	EPA 1664	02/25	06:00	WXC

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Richard Wolfe

Technical Director

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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

Sample Desc: Raw 14-1646 (Composite)

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 02/28/14

Lab ID:

124-14-0007558

Date Collected: 02/20/14 09:11

Collected By:

CLIENT

Date Received:

02/21/14 15:10

	Result	Unit	Rep. Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Phosphorus as P, Total	6.6	mg/L	.5	10	SM 4500P-E	02/24	16:36	ALD
INORGANIC						,		
TOTAL								
Arsenic, Total	<.001	mg/L	.001	1	EPA 200.9	02/24	10:37	LNA
Cadmium, Total	<.005	mg/L	.005	1	EPA 200.7	02/26	13:28	LNA
Chromium, Total	0.017	mg/l	.005	1	EPA 200.7	02/26	13:28	LNA
Copper, Total	0.071	mg/l	.01	1	EPA 200.7	02/26	13:28	LNA
Lead, Total	0.01	mg/l	.01	1	EPA 200.7	02/26	13:28	LNA
Mercury, Total	0.0001	mg/l	.0001	1	EPA 245.1	02/27	13:29	JXS
Molybdenum, Total	0.02	mg/l	.01	1	EPA 200.7	02/26	13:28	LNA
Nickel, Total	0.018	mg/l	.005	1	EPA 200.7	02/26	13:28	LNA
Silver, Total	<.005	mg/L	.005	1	EPA 200.7	02/25	14:36	LNA
Zinc, Total	0.264	mg/l	.005	1	EPA 200.7	02/26	13:28	LNA
ORGANIC								
BASE NEUTRALS								
Bis(2-Ethylhexyl) phthalate	7.7	ug/l	5	2	EPA 625	02/27	20:09	MEB
EXTRACTION								
EPA 625 Extraction	Complete		0	0	EPA 625	02/24	09:00	RDD

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Technical Director

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Attention:

## CERTIFICATE OF ANALYSIS

M.J. Reider Associates, Inc.



Form 43, PP

Date of Report:

01/24/14

Lab ID:

0124-14-0001868

Date Collected: 01/08/14 08:46

Collected By:

Client

Date Received:

01/08/14 14:45

Sample Description: 14-189 Form 43 (Total Analysis)

Amy L. Morriss

c/o City Hall 815 Washington St.

Reading PA 19601

Reported to: City of Reading WWTP

* Results Expressed as Dry Weight			Detection	ı	Test Test		t	
	Results	Unit	Limit	Procedure	Date	Time	Analyst	
CHEMISTRY								
COLORMETRIC								
Cyanide, Free	2.7	* mg/kg	2.1	DEP 1	01/09	17:13	JCL	
Cyanide, Reactive	<130	* mg/kg	130	sw846 7.3	,	17:13		
Cyanide, Total	3.0	* mg/kg	2.1	10204001X	01/09			
Phenols (4AAP)	29	* mg/kg	5.3	EPA 420.4	01/10			
Phosphorus as P, Total	10100	* mg/kg	665	SM 4500P-E			-	
NITROGENS					/			
Nitrogen, Ammonia	4600	* mg/kg	260	EPA 350.1	01/10	16:41	icl	
OTHER		5, 5			- 7		•	
'iochemical Oxygen Demand	96800	* mg/kg	1060	SM 5210B	01/09	16:00	EMW	
Paint Filter Liquids Test	NoFreeLiquids	0, 0	0	SW846 9095	01/17		ixs	
PHYSICAL					,		,	
Corrosivity	Not Corrosive		0	SW846 7.2	01/20	13:05	ald	
Ignitability	Not Ignitable		0	SW846 1030	01/17	13:00	įxs	
pH	8.13	su	2	SW846 9045	01/09	10:55	emw	
Reactivity	Not Reactive		0	SW846 7.3		13:09	ald	
Visual Color	dark brown	color	1	VISUAL	01/24	10:20	ald	
RESIDUES					,			
Solids, Total Volatile	68.8	%	1	SM 2540G	01/09	13:45	tmh	
Total Solids	18.8	%	.01	SM 2540G	01/09	13:45	tmh	
TITRATIONS					·			
Sulfide, Reactive	350	* mg/kg	260	SW846 7.3	01/14	11:45	jae	
INORGANIC								
TOTAL								
Antimony, Total	<26.6	* mg/kg	26.6	SW846 6010	01/09	13:22	lna	
Arsenic, Total	2	* mg/kg	0.5	EPA 200.9	01/13	11:20	rls	
Barium, Total	368	* mg/kg	2.66	SW846 6010	01/09	13:22	lna	
Beryllium, Total	<2.66	* mg/kg	2.66	SW846 6010	01/09	13:22	lna	

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc.

Reviewed and Approved By

Richard Wolfe Technical Director

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M.J. Reider Associates, Inc.



Attention:

Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 01/24/14

Lab ID:

0124-14-0001868

Date Collected: 01/08/14 08:46

Collected By:

Client

Date Received:

01/08/14 14:45

Sample Description: 14-189 Form 43 (Total Analysis)

* Results Expressed as Dry Weight	sed as Dry Weight		Detectio	n	Test	Test	
	Results	Unit	Limit	Procedure	Date	Time	Analyst
Cadmium, Total	<2.66	* mg/kg	2.66	sw846 6010	01/09	13:22	lna
Chromium, Total	78.2	* mg/kg	2.66	SW846 6010	01/09	13:22	lna
Copper, Total	437	* mg/kg	5.32	SW846 6010	01/09	13:22	lna
Lead, Total	85	* mg/kg	5.3	SW846 6010	01/09	13:22	lna
Mercury, Total	2	* mg/kg	1	SW846 7471	01/15	13:52	jxs
Molybdenum, Total	30	* mg/kg	5	SW846 6010	01/09	13:22	lna
Nickel, Total	28	* mg/kg	2.6	SW846 6010	01/09	13:22	lna
Selenium, Total	4	* mg/kg	1	EPA 200.9	01/16	14:28	rls
Silver, Total	4	* mg/kg	3	SW846 6010	01/13	13:01	lna
Thallium, Total	<26.6	* mg/kg	26.6	SW846 6010	01/09	13:22	lna
inc, Total	1200	* mg/kg	2.66	SW846 6010	01/09	13:22	lna
O&L, IPH		-					
GENERAL							
N-Hexane Extractable Material (O&G)	161570	* mg/kg	1329.8	EPA 1664	01/14	04:30	WXC
Oil and Grease	161570	* mg/kg	1329.8	EPA 1664	01/14	04:30	WXC
Silica Gel Treated N-Hexane Extract(TPH)	2890	* mg/kg	1330	EPA 1664	01/15	03:30	wxc
Total Petroleum Hydrocarbons	2890	* mg/kg	26.6	EPA 1664	01/15	03:30	WXC
ORGANIC							
ACID COMPOUNDS							
2,4,6-Trichlorophenol	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
2,4-Dichlorophenol	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
2,4-Dimethylphenol	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
2,4-Dinitrophenol	<133	* mg/kg	133	sw846 8270	01/09	17:46	meb
2-Chlorophenol	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
2-Nitrophenol	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
4,6-Dinitro-o-cresol	<133	* mg/kg	133	SW846 8270	01/09	17:46	meb
4-Chloro-3-methylphenol	<53.2	* mg/kg	53.2	SW846 8270	01/09	17:46	meb
4-Nitrophenol	<133	* mg/kg	133	SW846 8270	01/09	17:46	meb
Pentachlorophenol	<133	* mg/kg	133	SW846 8270	01/09	17:46	meb

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc.

Reviewed and Approved By:

Richard Wolfe Technical Director

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M.J. Reider Associates, Inc.



Attention:

Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 01/24/14

Lab ID:

0124-14-0001868

Date Collected: 01/08/14 08:46

Collected By:

Client

Date Received:

01/08/14 14:45

Sample Description: 14-189 Form 43 (Total Analysis)

* Results Expressed as Dry Weight			Detectio	n	Test	Test	
	Results	Unit	Limit	Procedure	Date	Time	Analyst
Phenol	<26.6	* mg/kg	26.6	sw846 8270	01/09	17:46	meb
BASE NEUTRALS		•			•		
1,2,4-Trichlorobenzene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
1,2-Dichlorobenzene (o-Dichlorobenzene)	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
1,2-Diphenylhydrazine (as Azobenzene)	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
1,3-Dichlorobenzene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
1,4-Dichlorobenzene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
2,3,7,8-Tetrachlorodibenzodioxin	see comment	mg/kg	2	SW846 8270	01/09	17:46	meb
2,4-Dinitrotoluene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
2,6-Dinitrotoluene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
'-Chloronaphthalene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
3,3'-Dichlorobenzidine	<53.2	* mg/kg	53.2	SW846 8270	01/09	17:46	meb
3,4-Benzofluoranthene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
4-Bromophenyl phenyl ether	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
4-Chlorophenyl phenyl ether	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Acenaphthene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Acenaphthylene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Anthracene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Benzidine	<53.2	* mg/kg	53.2	SW846 8270	01/09	17:46	meb
Benzo(a)anthracene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Benzo(a)pyrene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Benzo(ghi)perylene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Benzo(k)fluoranthene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Bis(2-chloroethoxy)methane	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Bis(2-Chloroethyl) ether	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Bis(2-Chloroisopropyl) ether	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Bis(2-Ethylhexyl) phthalate	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Butyl benzyl phthalate	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Chrysene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc. Reviewed and Approved By:

Richard Wolfe Technical Director

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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report:

01/24/14

Lab ID:

0124-14-0001868

Date Collected: 01/08/14 08:46

Collected By:

Client

Date Received:

01/08/14 14:45

Sample Description: 14-189 Form 43 (Total Analysis)

* Results Expressed as Dry Weight				Detection		Test	
· · · · · · ·	Results	Unit	Limit	Procedure	Date	Time	Analyst
Di-n-butyl phthalate	<26.6	* mg/kg	26.6	sw846 8270	01/09	17:46	meb
Di-n-octyl phthalate	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Dibenz(a,h)anthracene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Diethyl phthalate	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Dimethyl phthalate	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Fluoranthrene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Fluorene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Hexachlorobenzene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Hexachlorobutadiene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Hexachlorocyclopentadiene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
'exachloroethane	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
ındeno(1,2,3−cd)pyrene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Isophorone	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Library Search, Semivolatiles	see comment	mg/kg	2	SW846 8270	01/10	17:46	meb
N-Nitrosodi-n-propylamine	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
N-Nitrosodimethylamine	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
N-Nitrosodiphenylamine	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Naphthalene	<26.6	∗ mg/kg	26.6	SW846 8270	01/09	17:46	meb
Nitrobenzene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Phenanthrene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
Pyrene	<26.6	* mg/kg	26.6	SW846 8270	01/09	17:46	meb
EXTRACTION							
SW846 8081 Extraction	Complete		0	SW846 8081	01/15	10:00	ecc
SW846 8082 Extraction	Complete		0	SW846 8082	01/15	10:00	ecc
SW846 8270 Extraction	Complete		0	SW846 8270	01/09	10:00	meb
PCBS							
PCB-1016	<53.2	∗ mg/kg	53.2	SW846 8082	01/14	21:11	rpb
PCB-1221	<53.2	∗ mg/kg	53.2	SW846 8082	01/14	21:11	rpb
PCB-1232	<53.2	* mg/kg	53.2	SW846 8082	01/14	21:11	rpb

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc. Reviewed and Approved By:

Richard Wolfe Technical Director

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M.J. Reider Associates, Inc.



Attention:

Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 01/24/14

Lab ID:

0124-14-0001868

Date Collected:

01/08/14 08:46

Collected By:

Client

Date Received:

01/08/14 14:45

Sample Description: 14-189 Form 43 (Total Analysis)

* Results Expressed as Dry Weight	Results	Unit	Detection Limit	n Procedure	Test Date	Test	Analyst
	results						
PCB-1242	<53.2	* mg/kg	53.2	SW846 8082	01/14	21:11	rpb
PCB-1248	<53.2	★ mg/kg	53.2	SW846 8082	01/14	21:11	rpb
PCB-1254	<53.2	* mg/kg	53.2	SW846 8082	01/14	21:11	rpb
PCB-1260	<53.2	* mg/kg	53.2	SW846 8082	01/14	21:11	rpb
PESTICIDES							
4,4'-DDD	<53.2	* mg/kg	53.2	SW846 8081	01/14	21:11	rpb
4,4'-DDE	<53.2	* mg/kg	53.2	sw846 8081	01/14	21:11	rpb
4,4'-DDT	<53.2	* mg/kg	53.2	sw846 8081	01/14	21:11	rpb
Aldrin	<53.2	* mg/kg	53.2	SW846 8081	01/14	21:11	rpb
alpha-BHC	<53.2	* mg/kg	53.2	SW846 8081	01/14	21:11	rpb
eta-BHC	<53.2	* mg/kg	53.2	SW846 8081	01/14	21:11	rpb
Chlordane	<266	* mg/kg	266	SW846 8081	01/14	21:11	rpb
delta-BHC	<266	* mg/kg	266	SW846 8081	01/14		rpb
Dieldrin	<53.2	* mg/kg	53.2	SW846 8081	01/14	21:11	rpb
Endosulfan I	<53.2	* mg/kg	53.2	sw846 8081	01/14	21:11	rpb
Endosulfan II	<53.2	* mg/kg	53.2	sw846 8081	01/14	21:11	rpb
Endosulfan sulfate	<53.2	* mg/kg	53.2	SW846 8081	01/14	21:11	rpb
Endrin	<53.2	* mg/kg	53.2	sw846 8081	01/14	21:11	rpb
Endrin aldehyde	<53.2	* mg/kg	53.2	sw846 8081	01/14	21:11	rpb
Heptachlor	<53.2	* mg/kg	53.2	SW846 8081	01/14	21:11	rpb
Heptachlor Epoxide	<53.2	* mg/kg	53.2	sw846 8081	01/14	21:11	rpb
Lindane (Gamma BHC)	<53.2	* mg/kg	53.2	sw846 8081	01/14	21:11	rpb
Toxaphene	<53.2	* mg/kg	53.2	sw846 8081	01/14		rpb
VOLATILES		-, -			•		
1,1,1-Trichloroethane	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
1,1,2,2-Tetrachloroethane	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
1,1,2-Trichloroethane	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
1,1-Dichloroethane	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
1,1-Dichloroethylene	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc.

Reviewed and Approved By

Richard Wolfe

Technical Director

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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 01/24/14

Lab ID:

0124-14-0001868

Date Collected: 01/08/14 08:46

Collected By:

Client

Date Received:

01/08/14 14:45

Sample Description: 14-189 Form 43 (Total Analysis)

* Results Expressed as Dry Weight			Detection	n	Test	Test	
	Results	Unit	Limit	Procedure	Date	Time	Analyst
1,2-Dichloroethane	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
1,2-Dichloropropane	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
2-Chloroethylvinyl Ether	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
Acrolein	<1330	* ug/kg	1330	SW846 8260	01/20	18:39	gxf
Acrylonitrile	<1330	* ug/kg	1330	SW846 8260	01/20	18:39	gxf
Benzene	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
Bromoform (Tribromomethane)	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
Bromomethane (Methyl Bromide)	<266	* ug/kg	266	SW846 8260	01/20	18:39	gxf
Carbon Tetrachloride	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
Chlorobenzene (Monochlorobenzene)	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
Chlorodibromomethane	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
hloroethane	<266	* ug/kg	266	SW846 8260	01/20	18:39	gxf
Chloroform	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
Chloromethane (Methyl Chloride)	<266	* ug/kg	266	SW846 8260	01/20	18:39	gxf
cis-1,3-Dichloropropylene	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
Dichlorobromomethane	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
Ethylbenzene	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
Library Search, Volatiles	see comment	ug/kg	30	SW846 8260	01/20	18:39	gxf
Methylene Chloride	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
Tetrachloroethylene	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
Toluene	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
trans-1,2-Dichloroethylene	<133	* ug/kg	133	sw846 8260	01/20	18:39	gxf
trans-1,3-Dichloropropylene	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
Trichloroethylene	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
Trichlorofluoromethane	<133	* ug/kg	133	SW846 8260	01/20	18:39	gxf
Vinyl Chloride	<266	* ug/kg	266	SW846 8260	01/20	18:39	gxf
COMMENTS							

1 - For sw846 8081, the sample was run at an initial d10 dilution due to the matrix of the sample.

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc.

Reviewed and Approved By

Richard Wolfe

Technical Director

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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 01/24/14

Lab ID:

0124-14-0001868

Date Collected: 01/08/14 08:46

Collected By:

Client

Date Received:

01/08/14 14:45

Sample Description: 14-189 Form 43 (Total Analysis)

\* Results Expressed as Dry Weight

Detection

Results

Unit

Limit Procedure Date

Time Analyst

- 2 For sw846 8081, the final ccv had several low and high recoveries for pesticides and a low recovery of toxaphene due to sample matrix.
- 3 For sw846 8081, the MS had several low and high recoveries for pesticides due to sample matrix.
- 4 The Ammonia matrix spike was high indicating possible sample matrix interference.

The semi-volatile extract was analyzed for 2,3,7,8-Tetrachlorodibenzo-p-dioxin. There was no indication of the characteristic ion in the extract.

- 6 The epa 625 method ccv was low for several compounds but the QC and QC duplicate samples were within limits for these compounds.
- 7 The sw846 8270 method internal standards Chrysene-d12 and Perylene-d12 had low recovery in the Blank and the sample.
- 8 The sw846 8270 method surrogates 2-Fluorophenol and Phenol-d6 had high recovery in the QC and QC duplicate.
- 9 The svoc library search tentatively identified: Sulfur cyclic octaatomic, Nonadecane, Triacontane, Hexatriacontane, Tetracosahexaene.
- 10 The svoc library search also tentatively identified Tritetracontane and Cholestan-3-ol.

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc. Reviewed and Approved By:

Technical Director

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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 01/24/14

Lab ID:

0124-14-0001868

Date Collected: 01/08/14 08:46

Collected By:

Client

Date Received:

01/08/14 14:45

Sample Description: 14-189 Form 43 (Total Analysis)

\* Results Expressed as Dry Weight

Detection

Limit

Procedure

Test Test

Date

Time Analyst

11 - One or more semi-volatile compounds had high recovery in the CCV, QC and QC duplicate but none of these compounds were detected in this sample above the laboratory's reporting limit.

Results

- 12 Not Ignitable: No combustion after 2 minutes of direct contact with a torch's flame.
- 13 The VOC library search tentatively identified Acetone, p-Isoproyltoluene, Dimethyl sulfide, Dimethyl disulfide, Dimethyl trisulfide, and 2 unknown compounds.
- 14 For the sw846 8260 low level soil, the matrix spike performed on the sample was high for Acrylonitrile.
- 15 The VOC library search tentatively identified Trimethylamine, Undecane, and Dodecane.
- 16 For the sw846 8260 low level soil analysis, the response of the internal standard Chlorobenzene-d5 was lower than the acceptable range in the matrix spike.
- 17 For the sw846 8260 low level soil analysis, the responses of all internal standards were lower than the acceptable range in the unspiked aliquot.

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Technical Director

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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 01/24/14

Lab ID:

124-14-0001870

Date Collected: 01/08/14 08:46

Collected By:

CLIENT

Sample Desc: 14-189 Form 43 (TCLP Leachate Analysis)

Date Received:

01/08/14 14:45

	Result	Unit	Rep. Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
LEACHATE								
pH, Extract Fluid	4.90	su	1	1	SW846 9040	01/10	08:10	JXS
pH, Leachate	5.51	su	1	1	SW846 9040	,		JXS
INORGANIC						,		
EXTRACTION								
TCLP Preparation	Complete		0	0	EPA 1311	01/10	08:10	JXS
TCLP								
Arsenic, TCLP	<.05	mg/l	.05	1	SW846 6010	01/14	10:09	LNA
Barium, TCLP	0.10	mg/l	.05	1	SW846 6010	01/14	10:09	LNA
Cadmium, TCLP	<.05	mg/l	.05	1	SW846 6010	01/14	10:09	LNA
Chromium, TCLP	<.05	mg/l	.05	1	SW846 6010	01/14	10:09	LNA
Copper, TCLP	<.05	mg/l	.05	1	SW846 6010	01/14	10:09	LNA
Iron, TCLP	0.3	mg/l	.2	1	SW846 6010	01/15	13:15	LNA
Lead, TCLP	<.15	mg/l	.15	1	SW846 6010	01/14	10:09	LNA
Mercury, TCLP	<.004	mg/l	.004	1	SW846 7470	01/15	13:52	JXS
Molybdenum, TCLP	<.1	mg/l	.1	1	SW846 6010	01/14	10:09	LNA
Nickel, TCLP	<.05	mg/l	.05	1	SW846 6010	01/14	10:09	LNA
Selenium, TCLP	<.05	mg/l	.05	1	SW846 6010	01/14	10:09	LNA
Silver, TCLP	<.05	mg/l	.05	1	SW846 6010	01/13	13:01	LNA
Zinc, TCLP	0.36	mg/l	.05	1	SW846 6010	01/14	10:09	LNA
ORGANIC								
ACID COMPOUNDS								
2,4,5-Trichlorophenol, TCLP	<50	ug/l	50	1	SW846 8270	01/20	17:03	MEB
2,4,6-Trichlorophenol, TCLP	<50	ug/l	50	1	SW846 8270	01/20	17:03	MEB
Cresols, TCLP	<50	ug/l	50	1	SW846 8270	01/20	17:03	MEB
Pentachlorophenol, TCLP	<250	ug/l	250	1	SW846 8270	01/20	17:03	MEB
BASE NEUTRALS								
2,4-Dinitrotoluene, TCLP	<50	ug/l	50	1	SW846 8270	01/20	17:03	MEB
Hexachlorobenzene, TCLP	<50	ug/l	50	1	SW846 8270	01/20	17:03	MEB

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Richard Wolfe Technical Director

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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Sample Desc: 14-189 Form 43 (TCLP Leachate Analysis)

Date of Report:

01/24/14

Lab ID:

124-14-0001870

Date Collected: 01/08/14 08:46

Collected By:

CLIENT

Date Received:

01/08/14 14:45

	Result	Unit	Rep. Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analys
Hexachlorobutadiene, TCLP	<50	ug/l	50	1	sw846 8270	01/20	17:03	MEB
Hexachloroethane, TCLP	<50	ug/l	50	1	SW846 8270	01/20	17:03	MEB
Nitrobenzene, TCLP	<50	ug/l	50	1	SW846 8270	01/20	17:03	MEB
Pyridine, TCLP	<50	ug/l	50	1	SW846 8270	01/20	17:03	MEB
EXTRACTION								
SM 6640B Extraction	Complete		0	0	SM 6640B	01/17	08:00	JLV
SW846 8081 Extraction	Complete		0	0	SW846 8081	01/14	08:00	JLV
SW846 8270 Extraction	Complete		0	0	SW846 8270	01/16	08:00	JLV
HERBICIDES								
2,4,5-TP Silvex, TCLP	<1	ug/l	1	1	SM 6640B	01/20	15:51	TWH
2,4-D, TCLP	<1	ug/l	1	1	SM 6640B	01/20	15:51	TWH
PESTICIDES								
Chlordane, TCLP	<5	ug/l	5	1	SW846 8081	01/15	18:15	RPB
Endrin, TCLP	<.5	ug/l	.5	1	SW846 8081	01/15	18:15	RPB
Heptachlor (and hydroxide), TCLP	<.5	ug/l	.5	1	SW846 8081	01/15	18:15	RPB
Heptachlor Epoxide, TCLP	<.5	ug/l	.5	1	SW846 8081	01/15	18:15	RPB
Lindane, TCLP	<.5	ug/l	.5	1	SW846 8081	01/15	18:15	RPB
Methoxychlor, TCLP	<.5	ug/l	.5	1	SW846 8081	01/15	18:15	RPB
Toxaphene, TCLP	<10	ug/l	10	1	SW846 8081	01/15	18:15	RPB
OLATILES								
1,1-Dichloroethylene, ZHE TCLP	<50	ug/l	50	1	SW846 8260	01/15	17:48	GXF
1,2-Dichlorobenzene, ZHE TCLP	<50	ug/l	50	1	SW846 8260	01/15	17:48	GXF
1,2-Dichloroethane, IHE TCLP	<50	ug/l	50	1	SW846 8260	01/15	17:48	GXF
1,4-Dichlorobenzene, TCLP	<50	ug/l	50	1	sw846 8260	01/15	17:48	GXF
Benzene, ZHE TCLP	<50	ug/l	50	1	SW846 8260	01/15	17:48	GXF
Carbon Tetrachloride, ZHE TCLP	<50	ug/l	50	1	SW846 8260	01/15	17:48	GXF
Chlorobenzene, ZHE TCLP	<50	ug/l	50	1	SW846 8260	01/15	17:48	GXF
Chloroform, ZHE TCLP	<50	ug/l	50	1	SW846 8260	01/15	17:48	GXF
Methyl Ethyl Ketone, ZHE TCLP	<200	ug/L	200	1	SW846 8260	01/15	17:48	GXF
Tetrachloroethylene, ZHE TCLP	<50	ug/l	50	1	SW846 8260	01/15	17:48	GXF

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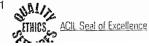
Richard Wolfe

Technical Director

Reviewed and Approved by:

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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 01/24/14

Lab ID:

124-14-0001870

Date Collected:

01/08/14 08:46

Collected By:

CLIENT

Sample Desc: 14-189 Form 43 (TCLP Leachate Analysis)

Date Received:

01/08/14 14:45

			Rep.	Dilutn		Test	Test	
	Result	Unit	Limit	Factor	Procedure	Date	Time	Analyst
Trichloroethylene, ZHE TCLP	<50	ug/l	50	1	SW846 8260	01/15	17:48	GXF
Vinyl Chloride, ZHE TCLP	<100	ug/l	100	1	SW846 8260	01/15	17:48	GXF

#### COMMENTS

- O1 For sw846 8081, the final ccv had high recovery of methoxychlor due to sample matrix.
- O? The sw846 8270 method internal standard Chrysene-d12 had low recovery in the sample.
- 03 For SM 6640b the Blank and QC samples had high surrogate recoveries, and the sample and matrix spike had low surrogate recoveries.
- 04 For SM 6640B the matrix spike sample had a high 2,4~D recovery, and a low silvex recovery due to matrix interference.

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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Sample Desc: 14-189 Form 43 (ASTM Leachate Analysis)

Date of Report: 01/24/14

Lab ID:

124-14-0001871

Date Collected: 01/08/14 08:46

Collected By:

CLIENT

Date Received:

01/08/14 14:45

	Result	Unit	Rep. Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
NITROGENS								
Nitrogen, Ammonia	68	mg/l	2	20	D6919-03	01/14	17:19	JCL
OTHER								
Chemical Oxygen Demand	496	mg/l	25	1	HACH8000	01/16	13:30	MXB
PHYSICAL								
рН	7.89	su	2	1	SW846 9045	01/18	11:30	EMW
RESIDUES								
Solids, Total	3699	mg/l	5	1	SM 2540B	01/16	13:25	TMH
INORGANIC								
EXTRACTION								
ASTM Preparation	Complete		0	0	ASTM	01/10	08:10	JXS
C PH								
GENERAL								
Oil and Grease	<10	mg/l	10	1	EPA 1664	01/14	07:00	MXC
Total Petroleum Hydrocarbons	<10	mg/l	10	1	EPA 1664	01/14	07:00	WXC

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Technical Director

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Matrix Code (for item 12)	Container Cod SIZE	es (ഫ്ര്മ് item 13) TYPE	A = Ascorbic	rvative Cod	e (for ite T = Na			- 8	0.000	iple Rec Temper	37075 EXECUT	ormation 4C?		80	Ň	Samples Shippe Method	d or Hand d of Shipm	· 图· 阿尔斯 在100 · 产品。 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100 · 100	
DW = Drinking Water	2L = 2 Liter	V = VOA vial	C = HCl	1010	E = E0				\$150 PHY 2013	<b>以外,其</b> 有理制	Charles No	ed on ic	e?	A	N	Trackir	na #:		
GW ≈ Ground Water WW = Waste Water	L = Liter	G = Glass	N = HNO3		L = NH		-1-			No. Section	1.5	ners Inta	the Their	8	N			ie:	
S = Soil	500 = 500ml 250 = <b>2</b> 50ml	P = Plastic M = Micro	S = H2SO4 P = H3PO4			nc Acet scorbic/				COC Se	al Intac	leadspa t or attac	ched?	Y Y	N N	Check	ed by:	BER: H	
O = Other	11	O = Other	H = NaOH		0 = 0			. [	17. SP	ECIAL I	NSTRU	CTIONS	COMMI	ENTS:	nalk	cdry v	veigr	E	
8. COMPLIANCE PURPOS	40 = 40ml E:		M = Mc	onochloroa	cetic Ac	id	116	6.	W K	epor	υ .s	CAS)	. Ba	<b>€</b> cl	. C.	its to b.	moi	v, sb,se,	, Ti, 22
Public Drinking \	Water: PA SDWA Forms	s Required		☐ FH.	4/Rea	liy			Met	1915	٠, ١٠	2,13	> 0e	J	) =				
PWSID#				MP NP	DES			ers	1/6					}		13. Con	tainer:	Size / Type	
					The same as well	Name and part		ntainers		instructure was	CD-STRAIN IN NO.	OPEN PARAMENTAL VENTER				14. Pres	servativ	⁄e	
MJRA	9. Sample		10.	1	11		12.	of C		r or in solar		A CASE OF LAS			-	<			
ID#	<b>C</b> C Description				Composite	Grab	Matrix	Total #								∏ Ann	alucae I	Requested	
355	1.00	No.	Date	Time	,				i		<u>, 61346</u>	14.19.20%				V 15. Alla	In S	Requested	,
1868 10	+-187	- Marine - 1	1/8/14	846	<u>                                     </u>		3 1	4	4_							form t	ts to	See She	et)
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1870 - TU																CUCto	++Fr	ce), pheno (Hem+So	احلا
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																gaboly	10L) 8	27CK Semi	161)
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				<u> </u>	-			$\dashv$		-				-		1505, N	13.5	11121415(	ethove_
18. RELINQUISHED BY			19. RECÉN	VED BY	<del> </del>							ATE	<u> </u>	TIMI		Estado de la Constantida (C	7V.	union en entre de la company	·c table
16. KELINGUISHED BY			13. REGEN	A Jah							_	ATE ンル		1430		cintered by. 2	e Appr	oved by	101 <u> </u>
			77	11/10/	1						1-	P-10	,	1441		Comments		oved by:	

The Client, by signing, or having client's agent sign, this Chain of Custody Form, agrees to pay for the above requested services per the MJRA Price List or Quotation provided including any and all attorney fees if collection becomes necessary.



M.J. Reider Associates, Inc.



1st atr

Attention: Amy L. Morriss

Reported To: City of Reading WWTP

Sample Desc: GC 14-1661 (Composite)

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report:

02/28/14

Lab ID:

124-14-0007562

Date Collected: 02/20/14 08:12

Collected By:

CLIENT

Date Received:

02/21/14 15:10

damped best. de 14 1001 (composite)					Date Need	. ivea.	02/2	1/14 15.10
	Result	Unit	Rep. Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
	. 7	ma / l	_	10	CM /FOOD F	02/2/	44.74	A1 D
Phosphorus as P, Total	4.3	mg/l	.5	10	SM 4500P-E	02/24	16:36	ALD
INORGANIC								
TOTAL	4 004	/1	004		200 0	00/0/	40.77	
Arsenic, Total	<.001	mg/l	.001	1	EPA 200.9	٠.	10:37	LNA
Cadmium, Total	<.005	mg/l	.005	1	EPA 200.7	02/26	13:28	LNA
Chromium, Total	<.005	mg/l	. 005	1	EPA 200.7	02/26	13:28	LNA
Copper, Total	0.051	mg/l	.01	1	EPA 200.7	02/26	13:28	LNA
Lead, Total	<.01	mg/l	.01	1	EPA 200.7	02/26	13:28	LNA
Mercury, Total	0.0005	mg/L	.0001	1	EPA 245.1	02/27	13:29	JXS
Molybdenum, Total	<.01	mg/L	.01	1	EPA 200.7	02/26	13:28	LNA
Nickel, Total	<.005	mg/l	.005	1	EPA 200.7	•	13:28	LNA
Silver, Total	<.005	mg/l	.005	1	EPA 200.7	02/25		LNA
Zinc, Total	0.117	mg/l	.005	1	EPA 200.7	02/26	13:28	LNA
ORGANIC						·		
BASE NEUTRALS								
Bis(2-Ethylhexyl) phthalate	8.0	ug/l	5	1	EPA 625	02/27	23:12	MEB
EXTRACTION		3,				,		
EPA 625 Extraction	Complete		0	0	EPA 625	02/24	09:00	RDD

Distribution of Reports:

Reviewed and Approved by:

Technical Director

Page 1 of 1







M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

Sample Desc: GC 14-1663 (Grab)

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 02/28/14

Lab IO:

124-14-0007563

Date Collected: 02/21/14 08:14

Collected By:

CLIENT

Date Received: 02/21/14 15:10

	Result	Unit	Rep. Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Cyanide, Free	<.004	mg/l	.004	1	DEP 1	02/24	16:50	JCL
Cyanide, Total	<.004	mg/l	.004	1	10204001X	02/24	16:45	JCL
Phenols (4AAP)	0.039	mg/l	.01	1	EPA 420.4	02/25	13:45	JCL
O&G/TPH								
GENERAL								
N-Hexane Extractable Material (O&G)	11	mg/l	5	1	EPA 1664	02/24	05:00	WXC
Silica Gel Treated N-Hexane Extract(TPH)	<5	mg/L	5	1	EPA 1664	02/25	06:00	WXC

Distribution of Reports:

Reviewed and Approved by:

Richard Wolfe Technical Director

Page 1 of 1







#### VEHILL UT MIVALIOIO M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

Sample Desc: 6th 14-1662 (Composite)

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 02/28/14

Lab ID:

124-14-0007564

Date Collected:

02/20/14 08:29

Collected By:

CLIENT

Date Received:

02/21/14 15:10

·							•	•
			Rep.	Dilutn		Test	Test	
	Result	Unit	Limit	Factor	Procedure	Date	Time	Analyst
CHEMISTRY	<u> </u>							
COLORMETRIC								
Phosphorus as P, Total	4.8	mg/L	.5	10	SM 4500P-E	02/24	16:36	ALD
INORGANIC						·		
TOTAL								
Arsenic, Total	<.001	mg/L	.001	1	EPA 200.9	02/24	10:37	LNA
Cadmium, Total	<.005	mg/L	.005	1	EPA 200.7	02/26	13:28	LNA
Chromium, Total	0.015	mg/L	.005	1	EPA 200.7	02/26	13:28	LNA
Copper, Total	0.044	mg/L	.01	1	EPA 200.7	02/26	13:28	LNA
Lead, Total	<.01	mg/L	.01	1	EPA 200.7	02/26	13:28	LNA
Mercury, Total	<.0001	mg/l	.0001	1	EPA 245.1	02/27	13:29	JXS
Molybdenum, Total	0.02	mg/L	.01	1	EPA 200.7	02/26	13:28	LNA
Nickel, Total	0.016	mg/l	.005	1	EPA 200.7	02/26	13:28	LNA
Silver, Total	<.005	mg/L	.005	1	EPA 200.7	02/25	14:36	LNA
Zinc, Total	0.187	mg/l	.005	1	EPA 200.7	02/26	13:28	LNA
ORGANIC								
BASE NEUTRALS								
Bis(2-Ethylhexyl) phthalate	7.5	ug/l	5	1	EPA 625	02/27	00:12	MEB
EXTRACTION								
EPA 625 Extraction	Complete		0	0	EPA 625	02/24	09:00	RDD

Distribution of Reports:

Richard Wolfe Technical Director

Page 1 of 1







Attention: Amy L. Morriss

Reported To: City of Reading WWTP

Sample Desc: 6th 14-1664 (Grab)

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 02/28/14

Lab ID:

124-14-0007565

Date Collected: 02/21/14 08:31

Collected By:

CLIENT

Date Received:

02/21/14 15:10

	Result	Unit	Rep. Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Cyanide, Free	<.004	mg/l	.004	1	DEP 1	02/24	16:50	JCL
Cyanide, Total	0.006	mg/l	.004	1	10204001X	02/24	16:46	JCL
Phenols (4AAP)	0.057	mg/l	.01	1	EPA 420.4	02/25	13:46	JCL
O&G/TPH								
GENERAL								
N-Hexane Extractable Material (O&G)	23	mg/l	5	1	EPA 1664	02/24	05:00	WXC
Silica Gel Treated N-Hexane Extract(TPH)	<5	mg/l	5	1	EPA 1664	02/25	06:00	WXC

Distribution of Reports:

Reviewed and Approved by:

Richard Wolfe Technical Director

Page 1 of 1



	M. J. Reid	ates, Inc.			CHA	IN C	OF 、	اذ	LODA	REC	ORD							-	
	107 Angelica			l	Please Print Legibly (INSTRUCTIONS ON BACK OF THIS FORM)  R 38288								288	Page of					
	Reading, PA					(INST	RUCT	TIONS	ON B	ACK OF	THIS F	ORM)		Į				6. Report Type:	
	Phone: 610-3	374-5129 FA	AX: 610-374-72:	34						ort; Yellov		itter						Routine	
1. Client (Company or In		,		Address:	815	(	Na	<u>ish</u>	10	sto	<u> </u>	SI						Standard QC	
('Ity	Of 'Ked	ading		City: Reac	evil			State: \	2	ZIP:	1910	01	Phone:			FAX:		Data Package	
2. Invoice To: (If differen				Address:														7. Turnaround Tim	e
1 11-		Quart	arlu					Ctata		ZIP:			Phone:			FAX:		Standard	
(GF) 1	61	40017	a ug_	City:				State:		211			,			17/			
3. Client Project Name /	1		(6 - 12 - 42)	4. P.O. No.:	a valius Cod	o /for ile	om 14	`	-	· ch	nla Pag	5. Sam eipt Info		Nation (	t (1.463s)	Sessiva.	Samples Shipped or H	RUSH:/_	Planker terr
Matrix Code (for item	12)	Container Codes SIZE	TYPE	A = Ascorbic	rvative Cod Acid	T = Na			-	- F 1 1 1 3	Joseph Company	ature @	With the Supple		0	N	Method of S	一、京 "哈""你"的"我,你 是是,"你们是这一个都是我们	
DW = Drinking Water		2L ≃ 2 Liter	V = VOA vial	C = HCI		E = Ef			ŀ		Stranger (	s receive	G 945 26 94.	AT TRACE	8	_N	Tracking #:		
GW = Ground Water		L = Liter	G = Glass	N = HNO3		L = NE Z = Zis		stato			Property and the second	Contain ree of H	out of he to	JUNE 2 18 11 11	w v	N N	Cooler Retu	rn Fee: NUMBER:	
ww = waste Water S = Soil	ii ii	500 = 500ml 250 = 250ml	P = Plastic M = Micro	S = H2SO4 P = H3PO4		V = As				计特别信息 医氯	医多种性 化氯	al Intact	Williams Law	difficult afford	Ϋ́	N	Checked by		
O = Other	!}	125 = 125ml	O = Other	H = NaOH		0 = 0	lher		_	17. SP	ECIAL I	NSTRUC	TIONS/	СОММЕ	NTS:				
		40 = 40ml		M = Mc	onochloroac	etic Ac	id		_	Me	tals	5. A	1, A	s,Cd	, Cir,	(0)	tg, Pb, Mo	, NI, ZN	
3. COMPLIANCE PUR	POSE: ing Water: PA S	CDMA Forme	Poguirod		TEH/	V/Real	lhu	ľ	16.				,				0.		
LPublic Dilliki	ing water. FA	SDAM LOUIS	Required		L!' '''	W.Ca	ity		1	21	0/	61	0/	6/	6/		13. Contain	er: Size / Type	
PWSID#					NPI	DES			Containers	1500	1500	12	1500	14	/300		<===		
	- C		WHITE THE PERSON NAMED IN THE PERSON NAMED IN THE		navidadij <b>eja na</b> nokalila espekti da				onta	$\hat{\Delta}$	N		#	$\mathcal{C}$	5		14. Preserv	ative	Cityenno
MJRA	9. Sam	•		10.	T	11 _e1		12.	of C				August 1850		, and (5)	. wasters			
ID#	Desc	cription				isodm	q.	Matrix	Total #					T			Analys	as Daguastad	
				Date	Time	Ŝ	Grab	W.	٦	t in East		×(30%)	MEDICAL.		\$4 6 E		15. Analys		0./
7562	14-16	01 (	6C_	2/2014	812	X		W	3	1	1	1					Metals (To	tel) Phosphor	ovs, BISCI
7563	14-11d	e3	(2C	2/21/14	814		X	32	5				2	2			Granide Clock	al& Free), Phe	enols,
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			h														O CHOICE	100711019	
707 II	). I. N. I	. ^	1 Jh	21- 10	-	1.1		W	_										0 × C C C C
2564	14-16	02	(0+1)	2/20/19	829	X		W	3			1_					Metals, Clo	stal)Phosphori	3/5 BS(2)
7565	14-16	64	64	2/21/14	831		X	$\aleph$					2	2			Cyanide (To	Hal+Frec)	Phenols.
												:						4SGTHEM)	
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18. RELINQUISHED		*	<del></del>	19. RECEIV	ALI CA	27	1 m	VI-				2/2	ATE /		TIME		A A SHARE THE PARTY OF THE PART	Approved by:	ioi nis
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ine Chent, by signing	j, or naving client's	. agent sign, this f	Chain of Custody F	-om, agrees to p	ay for the a	bove re	equest	ea serv	ices	ber rue y	NJKA PI	ice List c	r Quotat	ion prov	aea incit	iding any	and all attorney lees if	collection becomes nece	sssary.



#### CETHILINALE OF ANALYDID M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Sample Desc: FG Sample 14-3730

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 05/02/14

Lab ID:

124-14-0016997

Date Collected: 04/25/14 08:23

Collected By:

Client

Date Received:

04/25/14 15:05

	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Cyanide, Free	<.004	mg/l	.004	1	DEP 1	05/01	16:59	JCL
Cyanide, Total	<.004	mg/l	.004	1	10204001X	05/01	16:49	JCL
Phenols (4AAP)	0.018	mg/L	.01	1	EPA 420.4	04/28	16:22	JCL
O&G/TPH								
GENERAL								
N-Hexane Extractable Material (O&G)	<5	mg/l	5	1	EPA 1664	04/28	06:00	WXC
Silica Gel Treated N-Hexane Extract(TPH)	<5	mg/l	5	1	EPA 1664	04/29	05:00	WXC

#### COMMENTS

The Phenols matrix spike was low indicating possible sample matrix interference.

Distribution of Reports:

Reviewed and Approved by:

Richard Wolfe

Technical Director

Page 1 of 1







#### VERTON IN MINISTER STATE OF THE M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Sample Desc: FG Sample 14-3727

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report:

05/02/14

Lab ID:

124-14-0016998

Date Collected: 04/24/14 08:20

Collected By:

Client

Date Received:

04/25/14 15:05

	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Phosphorus as P, Total	2.4	mg/l	.5	10	SM 4500P-E	04/28	13:30	ALD
INORGANIC								
TOTAL								
Arsenic, Total	<.001	mg/l	.001	1	EPA 200.9	04/28	20:13	LNA
Cadmium, Total	<.005	mg/l	.005	1	EPA 200.7	04/30	22:42	LNA
Chromium, Total	<.005	mg/L	.005	1	EPA 200.7	04/30	22:42	LNA
Copper, Total	0.028	mg/l	.01	1	EPA 200.7	04/30	22:42	LNA
Lead, Total	<.01	mg/l	.01	1	EPA 200.7	04/30	22:42	LNA
Mercury, Total	<.0001	mg/L	.0001	1	EPA 245.1	04/30	15:45	JXS
Molybdenum, Total	0.02	mg/L	.01	1	EPA 200.7	04/30	22:42	LNA
Nickel, Total	<.005	mg/l	.005	1	EPA 200.7	04/30	22:42	LNA
Silver, Total	<.005	mg/L	.005	1	EPA 200.7	04/28	15:46	LNA
Zinc, Total	0.084	mg/L	. 005	1	EPA 200.7	04/30	22:42	LNA

Distribution of Reports:

Reviewed and Approved by:

Technical Director

Page 1 of 1







Attention: Amy L. Morriss

Sample Desc: RG-Sample 14-3738

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 05/02/14

Lab ID:

124-14-0016999

Date Collected: 04/25/14 08:56

Collected By:

Client

Date Received:

04/25/14 15:05

	Result	Unit 	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Cyanide, Free	<.004	mg/L	.004	1	DEP 1	05/01	17:00	JCL
Cyanide, Total	<.004	mg/l	.004	1	10204001X	05/01	16:49	JCL
Phenols (4AAP)	0.065	mg/l	.01	1	EPA 420.4	04/28	16:24	JCL
O&G/TPH								
GENERAL								
N-Hexane Extractable Material (O&G)	16	mg/L	5	1	EPA 1664	04/28	13:00	WXC
Silica Gel Treated N-Hexane Extract(TPH)	<5	mg/l	5	1	EPA 1664	04/29	05:00	MXC

Distribution of Reports:

Reviewed and Approved by:

Richard Wolfe

Technical Director

Page 1 of 1







Attention: Amy L. Morriss

Sample Desc: RC SAmple 14-3939

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 05/02/14

Lab ID:

124-14-0017000

Date Collected: 04/24/14 08:58

Collected By:

Client

Date Received:

04/25/14 15:05

	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Phosphorus as P, Total	6.5	mg/l	.5	10	SM 4500P-E	04/28	13:30	ALD
INORGANIC								
TOTAL								
Arsenic, Total	<.001	mg/l	.001	1	EPA 200.9	04/28	20:13	LNA
Cadmium, Total	<.005	mg/l	.005	1	EPA 200.7	04/30	22:42	LNA
Chromium, Total	0.013	mg/l	.005	1	EPA 200.7	04/30	22:42	LNA
Copper, Total	0.091	mg/l	.01	1	EPA 200.7	04/30	22:42	LNA
Lead, Total	0.01	mg/l	.01	1	EPA 200.7	04/30	22:42	LNA
Mercury, Total	0.0001	mg/l	.0001	1	EPA 245.1	04/30	15:45	JXS
Molybdenum, Total	0.02	mg/l	.01	1	EPA 200.7	04/30	22:42	LNA
Nickel, Total	0.007	mg/l	.005	1	EPA 200.7	04/30	22:42	LNA
Silver, Total	<.005	mg/L	.005	1	EPA 200.7	04/28	15:46	LNA
Zinc, Total	0.232	mg/l	.005	1	EPA 200.7	04/30	22:42	LNA

Distribution of Reports:

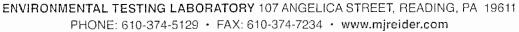
Reviewed and Approved by:

ACIL Seal of Excellence

Technical Director

Page 1 of 1







## M.J. Reider Associates, Inc.



2nd Quarter

Attention: Amy L. Morriss
Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601 AMENDED

Date of Report: 06/03/14

Lab ID: 0124-14-0018596

Date Collected: 05/06/14 08:40

Collected By: Client

Date Received: 05/07/14 14:30

Sample Description: Belt Press 14-4297 (Composite)

* Results Expressed as Dry Weight			Detection		Test	Test	
	Results	Unit	Limit	Procedure	Date	Time	Analyst
CHEMISTRY							
COLORMETRIC							
Cyanide, Free	3	* mg/kg	2	DEP 1	05/13	10:37	jcl
Cyanide, Total	5.4	* mg/kg	2.2	10204001x	05/13	10:29	jcl
Phenols (4AAP)	22	* mg/kg	5.4	EPA 420.4	05/09	16:07	jcl
Phosphorus as P, Total	17900	* mg/kg	679	SM 4500P-E	05/16	16:12	ald
PHYSICAL							
Visual Color	darkbrown	color	1	VISUAL	05/16	08:30	jxs
RESIDUES							
Total Solids	18.4	%	1	SM 2540G	05/13	14:20	tmh
INORGANIC							
TAL							
Chromium, Total	129	* mg/kg	2.72	sw846 6010	05/13	19:10	lna
Silver, Total	5.4	* mg/kg	2.7	SW846 6010	05/16	14:06	lna
O&G/TPH					•		
GENERAL							
N-Hexane Extractable Material (O&G)	49700	* mg/kg	1359	EPA 1664	05/13	04:30	wxc
Silica Gel Treated N-Hexane Extract(TPH) COMMENTS:	16740	* mg/kg	1359	EPA 1664	05/14	06:00	wxc

1 - The Phenols matrix spike was low indicating possible sample matrix interference.

2 - The report has been Amended to correct the Phosphorus date of analysis.

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc. Reviewed and Approved By:

Kichard Wolfe

Technical Director

Page 1 of 1

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ACIL Seal of Excellence





Attention:

Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 05/23/14

Lab ID:

0124-14-0018596

Date Collected:

05/06/14 08:40

Collected By:

Client

Date Received:

05/07/14 14:30

Sample Description: Belt Press 14-4297 (Composite)

* Results Expressed as Dry Weight			Detection		Test	Test	
	Results	Unit	Limit	Procedure	Date	Time	Analyst
CHEMISTRY							
COLORMETRIC							
Cyanide, Free	3	* mg/kg	2	DEP 1	05/13	10:37	jcl
Cyanide, Total	5.4	* mg/kg	2.2	10204001X	05/13	10:29	jcl
Phenols (4AAP)	22	* mg/kg	5.4	EPA 420.4	05/09	16:07	jcl
Phosphorus as P, Total	17900	* mg/kg	679	SM 4500P-E	06/16	16:12	ald
PHYSICAL							
Visual Color	darkbrown	color	1	VISUAL	05/16	08:30	jxs
RESIDUES							
Total Solids	18.4	%	1	SM 2540G	05/13	14:20	tmh
INORGANIC							
TAL							
Chromium, Total	129	* mg/kg	2.72	sw846 6010	05/13	19:10	lna
Silver, Total	5.4	* mg/kg	2.7	SW846 6010	05/16	14:06	lna
O&G/TPH		-					
GENERAL							
N-Hexane Extractable Material (O&G)	49700	∗ mg/kg	1359	EPA 1664	05/13	04:30	WXC
Silica Gel Treated N-Hexane Extract(TPH)	16740	* mg/kg	1359	EPA 1664	05/14	06:00	WXC
COMMENTS:		-, -			,		
Silica Gel Treated N-Hexane Extract(TPH)		-, -			•		

1 - The Phenols matrix spike was low indicating possible sample matrix interference.

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc. Reviewed and Approved By:

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ENVIRONMENTAL TESTING LABORATORY 107 ANGELICA STREET, READING, PA 19611 PHONE: 610-374-5129 • FAX: 610-374-7234 • www.mjreider.com

M. J. Reider Associates, Inc.			CHA	IN O	F	TODY	REC	ORD						, 1
107 Angelica Street		Please Print Legibly					gibly	(R 41918				918	Page of	
Reading, PA 19611			(INST	TRUCTI	ONS O	N BACK O	F THIS F	FORM)				7.1	.010	6. Report Type:
Phone: 610-374-5129 FAX: 610-374-72	234	DIST	RIBUT	ION: W	/hite: Re	port; Yell	ow: Subn	nitter				**		Routine
1. Client (Company qr Individual):	Address:	815	ì ć	110	sh	ing	tor	5	t					Standard QC
City of It ading	City: Re			Si	tate:	ZIP	191	201	Phone:			FAX:		Data Package
The country	)	CLEXIV	3		cato. y			<u> </u>						
2. Invoice To: (If different from above)	Address:													7. Turnaround Time
1	City:			Si	tate:	ZIP	:		Phone:			FAX:		Standard
3. Client Project Name / #: Lab 124	4. P.O. No.:							<b>5</b> . Sam	pled By:	<u>AL</u>	H			RUSH:/
Matrix Code (for item 12) Container Codes (for item 13)		servative Cod				Sa	Service State of the Service	ceipt Info	COLUMN TO THE RESIDENCE		<u> </u>	(	Samples Shipped or Ha	nd Delivered
SIZE	A = Ascorbi C = HCl	c Acid	T = Na E = E0					rature @ s receiv	经有证明 化氯化	o 7		N N	Tracking #	pment:
GW = Ground Water L = Liter G = Glass	N = HNO3		L = NH				S. Britan and Company	Contair	· · · · · · · · · · · · · · · · · · ·	and the fire of the	4	N N	Cooler Return	Fee: /
WW = Waste Water 500 = 500ml P = Plastic	S = H2SO4		Z = Zir	nc Aceta	ate		VOC's I	Free of h	leadspa	ce?	TO NOT BE WATER TO SELECT	N	ICE CHEST NU	MBER:
S = Soil 250 = 250ml M = Micro	P = H3PO4			scorbic/l	HCI		State of Chicago	eal Intac	18 May 2 May	21-y-9 410-12 280002	Y	Sud-Source of Course A		
O = Other Re H or 255 125 = 125ml O = Other Studge 40 = 40ml	H = NaOH	Monochloroa	O = 0			17. S	PECIAL	INSTRU	CTIONS/	COMME	NTS:	a.h.	(htian)	, I
8. COMPLIANCE PURPOSE:	J IVI -	WONDCHIOTOA	Jelic Ac	,iu	16	#	10.7	174	٠,٠,٠		`		plation) mg/Kg dry	wg t
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18555 FC 14-43=98	5-6-14	805	V	1 K			1						TKN +	otal Phosphorus* Vitrite as N *92
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18596 Belt Press 14-4297	5-6-14	840	V		0 3	3			3				Ag. Cr. tot	al Phosphorous
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18. RELINQUISHED BY	19. REC	SEE BY	7					D	ATE	$\overline{\mathbf{I}}$	TIME		Entered by: Ap	proved by: TSThrs
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	1	2/	2/	_				رسنے	7.14	/ [	143	0		
The Client, by signing, or having client's agent sign, this Chain of Custody	Form, agrees to	pay textine a	bove re	equested	d service	es per the	MJRA Pi	rice List o	or Quotat	ion provi	ded inclu	iding any	and all attorney fees if col	lection becomes necessary.

	M. J. Re	ider Associa	ites, Inc.			CHA	IN OI	FCL	υσΤΟ	DY RE	COR	)					, 1	
	-	lica Street			Please Print Legibly (INSTRUCTIONS ON BACK OF THE								R	41	918	Page of	1	
	Reading,			l		(INST	RUCTI	ONS C	ON BACI	K OF THIS	FORM)		l				6. Report Type:	•
	Phone: 6	10-374-5129 FA	X: 610-374-72	234						ellow: Su							Routine	
1. Client (Company or I	ndividual):			Address:	81=	3 1	110	يلح	يرمر	540	ກ ເ	3t					Standard QC	l
1 74	4 2	Koadi	ng	City: Res	Ldir	حو	St	ate:(		ZIP: 19	اصطا	SE Phone:			FAX:		Data Package	j
2. Invoice To: (If differe	nt from above)			Address:		2											7. Turnaround Time	l
	$^{\circ}\mathcal{U}_{\cdot}$		•					ate:		ZIP:		Phone:			FAX:	to Hills	Standard	1
		<u> </u>		City:			- 31			217.	Τ.,	ampled By:	1 /	Ŋ			1 i	ł
3. Client Project Name Matrix Code (for iter		Container Code	r (for item 13)	4. P.O. No.:	vative Cod	a Harita	m 14\			Sample E		impled By			2 40	Samples Shipped or Ha	RUSH:/	á
Matrix Code (10) iter	11 12)	SIZE	TYPE	A = Ascorbic A		. T = Na			<b>-</b>		erature			(7)	N	Method of Sh		
DW ≈ Drinking Water	II.	2L = 2 Liter	V = VOA vial	C = HCI		E = EC				-		ived on ic		(3)	. N	Tracking #:		1
GW = Ground Water WW = Waste Water	11	L = Liter 500 = 500ml	G = Glass P = Plastic	N = HNO3 S = H2SO4		L = NH Z = Zin	14CI nc Aceta	ate				ainers Inta f Headspa		Ų.	N . N	Cooler Return		
S = Soil		250 = 250ml	M = Micro	P = H3PO4			corbic/l					act or atta	**	Ÿ	? N	Checked by:		
O = Other_Reft	press	125 = 125ml	O = Other	H = NaOH		O = Ot			_ 17	SPECIA	LINSTR	UCTIONS	COMME	NTS:	co la	11:0		
B. COMPLIANCE PUI	RPOSE:	40 = 40ml	<u> </u>	M = Mc	nochloroa	cetic Aci	đ	71	6.	# 10	TAL	. NIT	101	,, C		olation) mg/Kg dru	, wet	
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The Client, by signing	ng, or having clie	ent's agent sign, this	Chain of Custody	Form, agrees to p	ay folk the a	above re	queste	d servi	ices per	the MJRA	Price Lis	st or Quota	ation prov	ided incl	uding any	and all attorney fees if c	ollection becomes necessary.	



Attention: Amy L. Morriss

Sample Desc: RC 14-7111

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St.

Reading PA 19601

## CERTIFICATE OF ANALYSIS

M.J. Reider Associates, Inc.



Date of Report: 08/14/14 Lab ID:

124-14-0033719

Date Collected: 07/30/14 08:36

Collected By:

CLIENT

Date Received:

08/01/14 14:45

		Result	Unit	Rep. Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHE	MISTRY								
C	DLORMETRIC								
	Phosphorus as P, Total	6.8	mg/l	.5	10	SM 4500P-E	08/04	13:05	HRG
INO	RGANIC								
Ţ	DTAL								
	Arsenic, Total	0.001	mg/l	.001	1	EPA 200.9	08/05	18:13	LNA
	Cadmium, Total	<.005	mg/l	.005	1	EPA 200.7	08/04	16:56	BTG
	Chromium, Total	0.038	mg/l	.005	1	EPA 200.7	08/04	16:56	BTG
	Copper, Total	0.075	mg/L	.01	1	EPA 200.7	08/04	16:56	BTG
	Lead, Total	0.019	mg/l	.001	1	EPA 200.9	08/04	17:29	LNA
	Mercury, Total	0.0002	mg/l	.0002	1	EPA 245.1	08/07	16:08	JXS
	Molybdenum, Total	0.02	mg/l	.01	1	EPA 200.7	08/04	16:56	BTG
	Nickel, Total	0.011	mg/L	.005	1	EPA 200.7	08/04	16:56	BTG
	Silver, Total	<.005	mg/l	.005	1	EPA 200.7	08/05	16:25	BTG
	Zinc, Total	0.277	mg/L	.005	1	EPA 200.7	08/04	16:56	BTG

Distribution of Reports:

Reviewed and Approved by:

Richard Wolfe Technical Director

Page 1 of 1







M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Sample Desc: RC 14-7116

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report:

08/14/14

Lab ID:

124-14-0033720

Date Collected: 07/31/14 08:37

Collected By:

CLIENT

Date Received:

08/01/14 14:45

	Result	Unit 	Rep. Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Cyanide, Free	0.004	mg/l	.004	1	DEP 1	08/05	16:45	JCL
Cyanide, Total	0.008	mg/l	.004	1	10204001x	08/05	16:33	JCL
Phenols (4AAP)	0.291	mg/l	.02	2	EPA 420.4	08/05	14:41	JCL
O&G/TPH								
GENERAL								
N-Hexane Extractable Material (0&G)	21	mg/l	5	1	EPA 1664	08/05	08:30	CMB
Silica Gel Treated N-Hexane Extract(TPH)	6	mg/l	5	1	EPA 1664	08/11	08:00	CMB

Distribution of Reports:

Richard Wolfe Technical Director

Page 1 of 1







M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Sample Desc: FC 14-7107

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report:

08/14/14

Lab ID:

124-14-0033721

Date Collected: 07/30/14 07:57

Collected By:

CLIENT

Date Received:

08/01/14 14:45

	Result	Unit	Rep. Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY						***************************************		
COLORMETRIC								
Phosphorus as P, Total	3.2	mg/l	.5	10	SM 4500P-E	08/04	13:05	HRG
INORGANIC								
TOTAL								
Arsenic, Total	<.001	mg∕l	.001	1	EPA 200.9	08/05	18:13	LNA
Cadmium, Total	<.005	mg/l	.005	1	EPA 200.7	08/04	16:56	BTG
Chromium, Total	0.008	mg/l	.005	1	EPA 200.7	08/04	16:56	BTG
Copper, Total	0.019	mg/l	.01	1	EPA 200.7	08/04	16:56	BTG
Lead, Total	0.002	mg∕l	.001	1	EPA 200.9	08/04	17:29	LNA
Mercury, Total	<.0001	mg/l	.0001	1	EPA 245.1	08/07	16:08	JXS
Molybdenum, Total	0.02	mg/l	.01	1	EPA 200.7	08/04	16:56	BTG
Nickel, Total	0.006	mg/l	.005	1	EPA 200.7	08/04	16:56	BTG
Silver, Total	<.005	mg/l	.005	1	EPA 200.7	08/05	16:25	BTG
Zinc, Total	0.087	mg/l	.005	1	EPA 200.7	08/04	16:56	BTG

Distribution of Reports:

Reviewed and Approved by

Richard Wolfe Technical Director

Page 1 of 1







M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Sample Desc: FC 14-7108

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report:

08/14/14

Lab ID:

124-14-0033722

Date Collected: 07/31/14 07:58

Collected By:

CLIENT

Date Received:

08/01/14 14:45

	Result	Unit 	Rep. Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Cyanide, Free	<.004	mg/l	.004	1	DEP 1	08/05	16:46	JCL
Cyanide, Total	<.004	mg/l	.004	1	10204001X	08/05	16:34	JCL
Phenols (4AAP)	0.130	mg/l	.01	1	EPA 420.4	08/05	14:35	JCL
O&G/TPH								
GENERAL								
N-Hexane Extractable Material (0&G)	<5	mg/l	5	1	EPA 1664	08/05	08:30	CMB
Silica Gel Treated N-Hexane Extract(TPH)	<5	mg/l	5	1	EPA 1664	08/11	08:00	CMB

#### COMMENTS

The EPA 1664A spike of this sample had recovery outside of the recommended range.

Distribution of Reports:

Reviewed and Approved by:

Technical Director

Page 1 of 1







M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Sample Desc: 14-8885 FG Grab

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report:

10/10/14

Lab ID:

124-14-0042752

Date Collected:

09/22/14 09:02

Collected By:

Client

Date Received:

09/22/14 16:10

	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Cyanide, Free	<.004	mg/l	.004	1	DEP 1	09/25	14:52	JCL
Cyanide, Total	<.004	mg/l	.004	1	10204001x	09/25	14:44	JCL
Phenols (4AAP)	0.021	mg/l	.01	1	EPA 420.4	09/24	15:08	JCL
O&G/TPH								
GENERAL								
N-Hexane Extractable Material (O&G)	<5	mg/l	5	1	EPA 1664	09/25	06:30	JLV
Silica Gel Treated N-Hexane Extract(TPH)	<5	mg/l	5	1	EPA 1664	09/25	06:30	JLV

#### COMMENTS

1 The total Cyanide matrix spike was low indicating possible sample matrix interference.

Distribution of Reports:

Reviewed and Approved by:

Technical Director

Page 1 of 1









Attention: Amy L. Morriss Reported To: City of Reading WWTP

Sample Desc: 14-8860 FC Composite

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/10/14

Lab ID:

124-14-0042753

Date Collected: 09/21/14 08:08

Collected By:

Date Received:

Client

09/22/14 16:10

	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC			_			/- /	40	
Phosphorus as P, Total	3.8	mg/l	.5	10	SM 4500P-E	09/24	10:55	HRG
INORGANIC								
TOTAL						40/04		
Antimony, Total	<.005	mg/l	.005	1	EPA 200.9		09:42	
Arsenic, Total	0.014	mg/L	.001	1	EPA 200.8	10/08	01:53	
Beryllium, Total	<.005	mg/L	.005	1	EPA 200.7	09/29	02:06	JXS
Cadmium, Total	<.005	mg/L	.005	1	EPA 200.7	09/29	02:06	JXS
Chromium, Total	<.005	mg/l	.005	1	EPA 200.7	09/29		JXS
Copper, Total	0.021	mg/L	.01	1	EPA 200.7	09/29	02:06	JXS
Lead, Total	<.01	mg/l	.01	1	EPA 200.7	09/29	02:06	JXS
Mercury, Total	0.0002	mg/L	.0001	1	EPA 245.1	09/24	17:49	JXS
Molybdenum, Total	0.07	mg/l	.01	1	EPA 200.7	09/29	02:06	JXS
Nickel, Total	0.005	mg/l	.005	1	EPA 200.7	09/29	02:06	JXS
Selenium, Total	<.002	mg/L	.002	1	EPA 200.9	10/01	04:01	MXB
Silver, Total	<.005	mg/l	.005	1	EPA 200.7	10/02	11:51	JXS
Thallium, Total	<.05	mg/l	.05	1	EPA 200.7	10/02	23:11	JXS
Zinc, Total	0.080	mg∕l	.005	1	EPA 200.7	09/29	02:06	ZXL
DRGANIC								
ACID COMPOUNDS								
2,4,6-Trichlorophenol	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
2,4-Dichlorophenol	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
2,4-Dimethylphenol	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
2,4-Dinitrophenol	<25	ug/l	25	1	EPA 625	09/29	18:30	MEB
2-Chlorophenol	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
2-Nitrophenol	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
4,6-Dinitro-o-cresol	<25	ug/l	25	1	EPA 625	09/29	18:30	MEB
4-Chloro-3-methylphenol	<10	ug/l	10	1	EPA 625	09/29	18:30	MEB
4-Nitrophenol	<25	ug/l	25	1	EPA 625	•	18:30	MEB
istribution of Reports:					Reviewed ar	nd Appro	oved by:	1 .

Richard Wolfe Technical Director

Page 1 of 5







#### CEHIIICAIE UT ANALYSIS M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

Sample Desc: 14-8860 FC Composite

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/10/14

Lab ID:

124-14-0042753

Date Collected: 09/21/14 08:08

Collected By:

Client

Date Received:

09/22/14 16:10

	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analys
Pentachlorophenol	<25	ug/l	25	1	EPA 625	09/29	18:30	MEB
Phenol	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
ASE NEUTRALS								
1,2,4-Trichlorobenzene	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
1,2-Diphenylhydrazine (as Azobenzene)	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
2,4-Dinitrotoluene	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
2,6-Dinitrotoluene	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
2-Chloronaphthalene	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
3,3'-Dichlorobenzidine	<25	ug/l	25	1	EPA 625	09/29	18:30	MEB
3,4-Benzofluoranthene	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
4-Bromophenyl phenyl ether	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
4-Chlorophenyl phenyl ether	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Acenaphthene	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Acenaphthylene	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Anthracene	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Benzidine	<25	ug/l	25	1	EPA 625	09/29	18:30	MEB
Benzo(a)anthracene	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Benzo(a)pyrene	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Benzo(ghi)perylene	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Benzo(k)fluoranthene	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Bis(2-chloroethoxy)methane	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Bis(2-Chloroethyl) ether	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Bis(2-Chloroisopropyl) ether	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Bis(2-Ethylhexyl) phthalate	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Butyl benzyl phthalate	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Chrysene	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Di-n-butyl phthalate	<10	ug/l	10	1	EPA 625	09/29	18:30	MEB
Di-n-octyl phthalate	<10	ug/l	10	1	EPA 625	09/29	18:30	MEB
Dibenz(a,h)anthracene	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Diethyl phthalate	<10	ug/l	10	1	EPA 625	09/29	18:30	MEB

Richard Wolfe

Technical Director



as unrique drinting water wastewater and solid & chemical materials analytes







Attention: Amy L. Morriss

Reported To: City of Reading WWTP

Sample Desc: 14-8860 FC Composite

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/10/14

Lab ID:

124-14-0042753

Date Collected:

09/21/14 08:08

Collected By: Client

Date Received:

09/22/14 16:10

	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
Dimethyl phthalate	<10	ug/l	10	1	EPA 625	09/29	18:30	MEB
fluoranthrene	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Fluorene	<5	ug/l	5	1	EPA 625	,	18:30	MEB
Hexachlorobenzene	<5	ug/l	5	1	EPA 625	09/29		MEB
Hexachlorocyclopentadiene	<5	ug/l	5	1	EPA 625		18:30	MEB
Hexachloroethane	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Indeno(1,2,3-cd)pyrene	<b>&lt;</b> 5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Isophorone	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Library Search, Semivolatiles	see comment	ug/l	40	1	EPA 625	09/29	18:30	MEB
N-Nitrosodi-n-propylamine	<10	ug/l	10	1	EPA 625	09/29	18:30	MEB
N-Nitrosodimethylamine	<10	ug/l	10	1	EPA 625	09/29	18:30	MEB
N-Nitrosodiphenylamine	<10	ug/l	10	1	EPA 625	09/29	18:30	MEB
Naphthalene	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Nitrobenzene	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Phenanthrene	<5	ug/l	5	1	EPA 625	09/29	18:30	MEB
Pyrene	<5	ug/l	5	1	EPA 625	09/29	18:30	ME8
EXTRACTION		-,						
EPA 608 Extraction	Complete		0	0	EPA 608	09/25	10:00	MCM
EPA 625 Extraction	Complete		0	0	EPA 625	09/24	09:00	MCM
PCBS								
PCB-1016	<.2	ug/l	.2	1	EPA 608	09/30	06:35	LAK
PCB-1221	<.2	ug/l	.2	1	EPA 608	09/30	06:35	LAK
PCB-1232	<.2	ug/l	.2	1	EPA 608	09/30	06:35	LAK
PCB-1242	<.2	ug/l	.2	1	EPA 608	09/30	06:35	LAK
PCB-1248	<.2	ug/l	.2	1	EPA 608	09/30	06:35	LAK
PCB-1254	<.2	ug/l	.2	1	EPA 608	09/30	06:35	LAK
PCB-1260	<.2	ug/l	.2	1	EPA 608	09/30	06:35	LAK
PESTICIDES								
4,4'-000	<.02	ug/l	.02	1	EPA 608	09/30	06:35	LAK
4,4'-DDE	<.02	ug/l	.02	1	EPA 608	09/30	06:35	LAK
Distribution of Reports:					Reviewed ar	nd Appro	oved by:	1.4

Richard Wolfe

Technical Director

Page 3 of 5









Attention: Amy L. Morriss

Reported To: City of Reading WWTP

Sample Desc: 14-8860 FC Composite

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report:

10/10/14

Lab ID:

124-14-0042753

Date Collected: 09/21/14 08:08

Collected By:

Client

Date Received:

09/22/14 16:10

			Rep	Dilutn		Test	Test	
	Result	Unit	Limit	Factor	Procedure	Date	Time	Analyst
4,4'-DDT	<.02	ug/l	.02	1	EPA 608	09/30	06:35	LAK
Aldrin	<.02	ug/l	.02	1	EPA 608	09/30	06:35	LAK
alpha-BHC	<.02	ug/l	.02	1	EPA 608	09/30	06:35	LAK
beta-BHC	<.02	ug/l	.02	1	EPA 608	09/30	06:35	LAK
Chlordane	<.5	ug/l	.5	1	EPA 608	09/30	06:35	LAK
delta-BHC	<.02	ug/l	.02	1	EPA 608	09/30	06:35	LAK
Dieldrin	<.02	ug/l	.02	1	EPA 608	09/30	06:35	LAK
Endosulfan I	<.02	ug/l	.02	1	EPA 608	09/30	06:35	LAK
Endosulfan II	<.02	ug/l	.02	1	EPA 608	09/30	06:35	LAK
Endosulfan sulfate	<.02	ug/l	.02	1	EPA 608	09/30	06:35	LAK
Endrin	<.02	ug/l	.02	1	EPA 608	09/30	06:35	LAK
Endrin aldehyde	<.02	ug/L	.02	1	EPA 608	09/30	06:35	LAK
Heptachlor	<.02	ug/l	.02	1	EPA 608	09/30	06:35	LAK
Heptachlor Epoxide	<.02	ug/L	.02	. 1	EPA 608	09/30	06:35	LAK
Lindane (Gamma BHC)	<.02	ug/l	.02	1	EPA 608	09/30	06:35	LAK
Toxaphene	<.5	ug/l	.5	1	EPA 608	09/30	06:35	LAK

#### COMMENTS

01 The semi-volatile organic compound library search did not detect any compounds above the concentration of the internal standards.

02 The epa 625 method ccv was low for several compounds but the QC was fine for these compounds.

Distribution of Reports:

Reviewed and Approved by

Richard Wolfe Technical Director

Page 4 of 5









Attention: Amy L. Morriss

Reported To: City of Reading WWTP

Sample Desc: 14-8860 FC Composite

03

04

05

c/o City Hall 815 Washington St. Reading PA 19601 Date of Report:

10/10/14

Lab ID:

124-14-0042753

Date Collected:

09/21/14 08:08

Collected By:

Client

Date Received:

09/22/14 16:10

Por

Unit

Result

Rep (

Dilutn Factor

Procedure

Test Test Date Time

Analyst

The epa 625 method QC had low recovery for Benzidine,

Hexachloroethane, 2-Chloronaphthalene.

EPA 608 method surrogate had low recoveries in the sample and sample duplicate.

EPA 608 method ending CCV had low recoveries for one or more analytes due to sample matrix interference.

Distribution of Reports:

Reviewed and Approved by

Richard Wolfe Technical Director

Page 5 of 5









Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Sample Desc: 14-8902 FG 4 Grab/Lab Composite

Date of Report: 10/10/14

Lab ID:

124-14-0042754

Date Collected: 09/22/14 10:42

Collected By:

Client

Date Received:

09/22/14 16:10

							- 1	7
	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
ORGANIC								
VOLATILES								
1,1,1-Trichloroethane	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
1,1,2,2-Tetrachloroethane	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
1,1,2-Trichloroethane	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
1,1-Dichloroethane	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
1,1-Dichloroethylene	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
1,2-Dichlorobenzene (o-Dichlorobenzene)	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
1,2-Dichloroethane	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
1,2-Dichloropropane	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
1,3-Dichlorobenzene	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
1,4-Dichlorobenzene	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
2-Chloroethylvinyl Ether	<5	ug/l	5	1	EPA 624	09/23	22:47	GXF
Acrolein	<2	ug/l	2	1	EPA 624	09/23	22:47	GXF
Acrylonitrile	<2	ug/l	2	1	EPA 624	09/23	22:47	GXF
Benzene	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
Bromoform (Tribromomethane)	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
Bromomethane (Methyl Bromide)	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
Carbon Tetrachloride	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
Chlorobenzene (Monochlorobenzene)	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
Chlorodibromomethane	1.7	ug/l	.5	1	EPA 624	09/23	22:47	GXF
Chloroethane	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
Chloroform	7.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
Chloromethane (Methyl Chloride)	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
cis-1,2-Dichloroethylene	<.5	ug/l	.5	1	EPA 624		22:47	GXF
cis-1,3-Dichloropropylene	<.5	ug/l	.5	1	EPA 624	09/23	22:47	
Dichlorobromomethane	4.0	ug/l	.5	1	EPA 624	09/23	22:47	GXF
Ethylbenzene	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
Hexachlorobutadiene	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
Library Search, Volatiles	see comment	ug/l	15	1	EPA 624	09/23	22:47	GXF
Distribution of Reports:					Reviewed ar	nd Appro	ved by:	À

Richard Wolfe

Technical Director

Page 1 of 2







M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Sample Desc: 14-8902 FG 4 Grab/Lab Composite

Date of Report:

10/10/14

Lab ID:

124-14-0042754

Date Collected: 09/22/14 10:42

Collected By:

Client

Date Received:

09/22/14 16:10

	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
Methylene Chloride	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
Tetrachloroethylene	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
Toluene	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
trans-1,2-Dichloroethylene	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
trans-1,3-Dichloropropylene	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
Trichloroethylene	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
Trichlorofluoromethane	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
Vinyl Chloride	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF
Xylenes (Total)	<.5	ug/l	.5	1	EPA 624	09/23	22:47	GXF

#### COMMENTS

The volatile organic compound library search did not detect any J1 compounds above the concentration of the internal standards.

Distribution of Reports:

Reviewed and Approved by

Richard Wolfe Technical Director

Page 2 of 2





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#### M. J. Reider Associates, Inc.

107 Angelica Street Reading, PA 19611

#### CHAIN OF 3TODY RECORD

Please Print Legibly
(INSTRUCTIONS ON BACK OF THIS FORM)

R	4	3	1	2	6	

	Page		of	
6.	Report	Type:		

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Matrix Code (for item 12)	Container Code SIZE	es (for item 13)	A = Ascorbic	rvative Cod	e (for ite T = N/				San	nple Rec Temper	· 传· · · · · · · · · · · · · · · · · ·	ST 1 15 1 10 10 10 10 10 10 10 10 10 10 10 10 1				Samples Shipped or H	San San Branche and	Contract of the state of the st	
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ww = Waste Water	500 = 500ml	P = Plastic	S = H2SO4		Z = Ziı		tate			VOC's F	See And See See See	F. 15 5 10 10	Section 1981	Y	N	ICE CHEST I	NUMBER	THE SECTION OF THE SE	
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O = Other	125 = 125ml	O ≈ Other	H = NaOH		0 = 0	lher			17. SI	PECIALI	NSTRUC	TIONS/	СОММЕ	NTS:					
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#### M. J. Reider Associates, Inc.

107 Angelica Street

#### CHAIN OF \* TODY RECORD

Please Print Legibly

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Page 2 of 7

Reading, PA 19611		(16)				BACK OF	-	OPM				43	$\perp \angle \perp$	Ì	6 Benest Type:
Phone: 610-374-5129 FAX: 610-374	-7234	DISTRIBL						,		'					6. Report Type:
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GW = Ground Water L = Liter G = Glass	N = HNO3		NH4CI			2000	S. Steel	(1) 20 10 10 10 10 10 10 10 10 10 10 10 10 10	12 SECTION 1	<b>一种的种类的</b>	*	N	Co	oler Return	n Fee:
WW = Waste Water 500 = 500ml P = Plastic	S = H2SO4	L = NH4Cl Sample Containers Intact?  Z = Zinc Acetate VOC's Free of Headspace?				4	N	ici	CHEST N	IIIMRER					
S = Soil 250 = 250ml M = Micro	P = H3PO4		Ascorbi			COC Seal Intact or attached? Y N Checked by:						<b>වා</b> හ			
O = Other 125 = 125ml	H = NaOH	And the second of the second o						NTS:	-						
40 = 40ml	M = Mono	chloroacetic /	Acid												
8. COMPLIANCE PURPOSE:	r-		-11		16.	l									
Public Drinking Water: PA SDWA Forms Required		FHA/Re	ealty		Ì	1107		1					13. C	ontaine	er: Size / Type
PWSID#	r	NPDES	;		lers	40/							₩	• • • • • • • • • • • • • • • • • • • •	,,, c. <u></u> , ,,,,,,
	<b></b> _				Containers	_							14. P	reserva	itive
MJRA 9. Sample	10.		11.	12.	of Co	0							<del>\</del>		
וֹD#4 Description		osite		×	*								П		
	Pater	Time 8	Grab	Matrix	Total								√ 15. A	nalyse	s Requested
42755 14-8908 FG	9/22/11 r	305	1	W	5	5							VOA	62	1
· 一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	1-11		1	61,	7	Ü								67	
14-8915 FG	9/72/14/1	424	+	N	b								VOI	00	<del></del>
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composited W/ Sumple	,														
LO 42754															
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Figure 3															
18. RELINQUISHED BY	19. RECEIVED	D BY				J	J	D.A	ATE		TIME		Entered by:	A	opproved by: TST his
	uar	unen					-,-		/ 15			Comments:			
	200	271							721		610				
The Client, by signing, or having client's agent sign, this Chain of Custo	dy Form agrees to pay	for the above	request	ed ser	vices	per the f	MJRA Pr					ding any	and all attorn	ey fees if co	ollection becomes necessary.



M.J. Reider Associates, Inc.



Form 4)

Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Silica Gel Treated N-Hexane Extract(TPH) 1075

Date of Report:

07/24/14

Lab ID:

124-14-0028616

Date Collected: 07/02/14 09:55

Collected By:

CLIENT

07/17 05:00 WXC

Sample Desc: Belt Press 14-6196 (Composite)			Date Receive		eived:	ed: 07/09/14 15:00		
	Result	Unit	Rep. Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Cyanide, Free	<.4	mg/kg	.4	1	DEP 1	07/14	17:18	JCL
Cyanide, Total	0.4	mg/kg	. 4	1	10204001x	•	17:05	
Phenols (4AAP)	6.2	mg/kg	1	1	EPA 420.4	07/10	14:44	JCL
Phosphorus as P, Total	2400	mg/kg	5	1	SM 4500P-E	07/11	15:10	HRG
PHYSICAL								
Visual Color	Dark Brown	descript.	0	0	VISUAL	07/18	14:00	JXS
RESIDUES								
Total Solids	20.2	%	1	1	SM 2540G	07/11	13:45	TMH
INORGANIC								
TOTAL								
Chromium, Total	22.0	mg/kg	.5	1	SW846 6010	07/16	22:25	LNA
Silver, Total	1.1	mg/kg	.5	1	sw846 6010	07/16	10:25	LNA
O&G/TPH								
GENERAL								
N-Hexane Extractable Material (O&G)	4645	mg/kg	250	1	EPA 1664	07/15	03:00	WXC

mg/kg

Distribution of Reports:

Richard Wolfe

EPA 1664

Technical Director

Page 1 of 1







M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 07/24/14

Lab ID:

0124-14-0028616

Date Collected: 07/02/14 09:55

Collected By:

Client

Date Received:

07/09/14 15:00

Sample Description: Belt Press 14-6196 (Composite)

* Results Expressed as Dry Weight			Detection		Test	Test	
	Results	Unit	Limit	Procedure	Date	Time	Analyst
CHEMISTRY							
COLORMETRIC							
Cyanide, Free	<2	* mg/kg	2	DEP 1	07/14	17:18	icl
Cyanide, Total	2	* mg/kg	2	10204001x	07/14	17:05	jcl
Phenois (4AAP)	31	* mg/kg	5.0	EPA 420.4	07/10	14:44	jcl
Phosphorus as P, Total	12000	* mg/kg	25	SM 4500P-E	07/11	15:10	hrg
PHYSICAL							
Visual Color	Dark Brown	descript.	0	VISUAL	07/18	14:00	jxs
RESIDUES							
Total Solids	20.2	%	1	SM 2540G	07/11	13:45	tmh
T GANIC					•		
.TAL							
Chromium, Total	109	* mg/kg	2.48	SW846 6010	07/16	22:25	lna
Silver, Total	5.4	* mg/kg	2.5	SW846 6010	07/16	10:25	lna
O&G/TPH					•		
GENERAL							
N-Hexane Extractable Material (O&G)	23000	* mg/kg	1238	EPA 1664	07/15	03:00	WXC
Silica Gel Treated N-Hexane Extract(TPH)	5322	* mg/kg	1238	EPA 1664	07/17	05:00	wxc

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc. Reviewed and Approved By:

Richard Wolfe

Technical Director

Page 1 of 1







M.J. Reider Associates, Inc.



Attention:

Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report:

07/24/14

Lab ID:

0124-14-0029493

Date Collected: 07/02/14 09:55

Collected By:

Client

Date Received:

07/09/14 15:00

Sample Description: 14-6196, Biosolids (Total Analysis)

* Results Expressed as Dry Weight	Results	Unit	Detection Limit	Procedure	Test Date	Test Time	Analyst
CHEMISTRY							
COLORMETRIC							
Cyanide, Reactive	<100	* mg/kg	100	SW846 7.3	07/14	16:08	jcl
OTHER					•		•
Paint Filter Liquids Test	NoFreeLiquid	s	0	SW846 9095	07/15	14:00	hrg
PHYSICAL							_
Corrosivity	Not Corrosiv	e	0	SW846 7.2	07/15	15:52	ald
Ignitability	Not Ignitabl	e	0	sw846 1030	07/15	14:15	hrg
Нq	8.14	su	2	sw846 9045	07/10	12:08	emw
Reactivity	Not Reactive		0	sw846 7.3	07/15	15:33	ald
SIDUES					•		
Solids, Total Volatile	62.7	%	1	SM 2540G	07/11	13:35	tmh
Total Solids	20.4	%	1	SM 2540G	07/11	13:35	tmh
TITRATIONS							
Sulfide, Reactive	<240	* mg/kg	240	SW846 7.3	07/10	11:30	ald
INORGANIC							
TOTAL							
Arsenic, Total	4	* mg/kg	0.5	EPA 200.9	07/16	20:12	lna
Barium, Total	468	* mg/kg	2.45	SW846 6010	07/16	22:25	lna
Cadmium, Total	3	* mg/kg	2	SW846 6010	07/16	22:25	lna
Chromium, Total	111	* mg/kg	2.45	SW846 6010	07/16	22:25	lna
Copper, Total	510	* mg/kg	4.90	sw846 6010	07/16	22:25	lna
Lead, Total	170	* mg/kg	4.9	SW846 6010	07/16	22:25	lna
Mercury, Total	2	* mg/kg	1	SW846 7471	07/16	14:41	jxs
Molybdenum, Total	54	* mg/kg	4.9	sw846 6010	07/16	22:25	lna
Nickel, Total	47	* mg/kg	2.4	sw846 6010	07/16	22:25	lna
Selenium, Total	5.4	* mg/kg	0.98	EPA 200.9	07/17	03:51	lna
Silver, Total	4	* mg/kg	2	SW846 6010	07/16	10:25	lna
Zinc, Total	1520	* mg/kg	2.45	SW846 6010	07/16	22:25	lna

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc.

Reviewed and Approved By

Richard Wolfe

Technical Director

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M.J. Reider Associates, Inc.



Attention:

Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 07/24/14

Lab ID:

0124-14-0029493

Date Collected: 07/02/14 09:55

Collected By:

Client

Date Received:

07/09/14 15:00

Sample Description: 14-6196, Biosolids (Total Analysis)

* Results Expressed as Dry Weight	Davide	11.24	Detection		Test	Test	
	Results	Unit	Limit 	Procedure	Date	Time	Analyst
O&G/TPH							
GENERAL							
Oil and Grease	31500	* mg/kg	49.02	EPA 1664	07/15	03:00	WXC
Total Petroleum Hydrocarbons	9608	* mg/kg	49.02	EPA 1664	07/17	05:00	WXC
ORGANIC					-		
EXTRACTION							
SW846 8082 Extraction	Complete		0	SW846 8082	07/11	07:30	rdd
PCBS					·		
PCB-1016	<2.45	* mg/kg	2.45	SW846 8082	07/17	18:03	twh
PCB-1221	<2.45	* mg/kg	2.45	SW846 8082	07/17	18:03	twh
°CB-1232	<2.45	* mg/kg	2.45	SW846 8082	07/17	18:03	twh
PCB-1242	<2.45	* mg/kg	2.45	sw846 8082	07/17	18:03	twh
PCB-1248	<2.45	* mg/kg	2.45	SW846 8082	07/17	18:03	twh
PCB-1254	<2.45	* mg/kg	2.45	SW846 8082	07/17	18:03	twh
PCB-1260	<2.45	* mg/kg	2.45	sw846 8082	07/17	18:03	twh
COMMENTS:					•		

- 1 Not Ignitable: No combustion after 2 minutes of direct contact with a torch's flame.
- 2 For SW846 8082 the Blank, qc, and sample had high surrogate recoveries.
- 3 For SW846 8082 the PCB QC had high recoveries, however PCBs were not detected in the sample above the laboratory reporting limit.

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc. Reviewed and Approved By

Richard Wolfe Technical Director

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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601 Date of Report:

07/24/14

Lab ID:

124-14-0029493

Date Collected:

07/02/14 09:55

Collected By:

CLIENT

Date Received:

07/09/14 15:00

Sample Desc: 14-6196, Biosolids (Total Analysis)

			Rep.	Dilutn		Test	Test	
	Result	Unit	Limit	Factor	Procedure	Date	Time	Analyst
CHEMISTRY								
COLORMETRIC								
Cyanide, Reactive	<25	mg/kg	25	1	SW846 7.3	07/14	16:08	JCL
OTHER								
Paint Filter Liquids Test	NoFreeLiquids		0	0	SW846 9095	07/15	14:00	HRG
PHYSICAL								
Corrosivity	Not Corrosive		0	0	SW846 7.2	07/15	15:52	ALD
Ignitability	Not Ignitable		0	0	SW846 1030	07/15	14:15	HRG
рН	8.14	su	2	1	SW846 9045	07/10	12:08	EMW
Reactivity	Not Reactive		0	0	SW846 7.3	07/15	15:33	ALD
RESIDUES								
Solids, Total Volatile	62.7	%	1	1	SM 2540G	07/11	13:35	TMH
Total Solids	20.4	%	1	1	SM 2540G	07/11	13:35	TMH
TITRATIONS								
Sulfide, Reactive	<50	mg/kg	50	1	SW846 7.3	07/10	11:30	ALD
INORGANIC								
TOTAL								
Arsenic, Total	0.8	mg/kg	.1	1	EPA 200.9	07/16	20:12	LNA
Barium, Total	95.4	mg/kg	.5	1	SW846 6010	07/16	22:25	LNA
Cadmium, Total	0.7	mg/kg	.5	1	SW846 6010	07/16	22:25	LNA
Chromium, Total	22.7	mg/kg	.5	1	SW846 6010	07/16	22:25	LNA
Copper, Total	104	mg/kg	1	1	SW846 6010	07/16	22:25	LNA
Lead, Total	34	mg/kg	1	1	SW846 6010	07/16	22:25	LNA
Mercury, Total	0.4	mg/kg	.2	1	SW846 7471	07/16	14:41	JXS
Molybdenum, Total	11	mg/kg	1	1	SW846 6010	07/16	22:25	LNA
Nickel, Total	9.6	mg/kg	.5	1	sw846 6010	07/16	22:25	LNA
Selenium, Total	1.1	mg/kg	.2	1	EPA 200.9	07/17	03:51	LNA
Silver, Total	0.9	mg/kg	.5	1	SW846 6010	07/16	10:25	LNA
Zinc, Total	311	mg/kg	.5	1	SW846 6010	07/16	22:25	LNA

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O&G/TPH

Reviewed and Approved by:

Richard Wolfe

Technical Director

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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 07/24/14

Lab ID:

124-14-0029493

Date Collected: 07/02/14 09:55

Date Received:

07/09/14 15:00

Collected By:

CLIENT

Sample Desc: 14-6196, Biosolids (Total Analysis)

 		 Procedure	Date	Time	Analyst	
Unit	Rep.	Procedure	Test		Analyst	

	Result	Unit	Limit	Factor	Procedure	Date	Time	Analyst
GENERAL								
Oil and Grease	6425	mg/kg	10	1	EPA 1664	07/15	03:00	WXC
Total Petroleum Hydrocarbons	1960	mg/kg	10	1	EPA 1664	07/17	05:00	WXC
ORGANIC								
EXTRACTION								
SW846 8082 Extraction	Complete		0	0	SW846 8082	07/11	07:30	RDD
PCBS								
PCB-1016	<.5	mg/kg	.5	1	SW846 8082	07/17	18:03	TWH
PCB-1221	<.5	mg/kg	.5	1	SW846 8082	07/17	18:03	TWH
PCB-1232	<.5	mg/kg	.5	1	SW846 8082	07/17	18:03	TWH
PCB-1242	<.5	mg/kg	.5	1	SW846 8082	07/17	18:03	TWH
PCB-1248	<.5	mg/kg	.5	1	SW846 8082	07/17	18:03	TWH
PCB-1254	<.5	mg/kg	.5	1	SW846 8082	07/17	18:03	TWH
PCB-1260	<.5	mg/kg	.5	1	SW846 8082	07/17	18:03	TWH

#### COMMENTS

01 Not Ignitable: No combustion after 2 minutes of direct contact with a torch's flame.

02 For SW846 8082 the Blank, qc, and sample had high surrogate recoveries.

Distribution of Reports:

Reviewed and Approved by:

Richard Wolfe

Technical Director







M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Sample Desc: 14-6196, Biosolids (Total Analysis)

Date of Report: 07/24/14

Lab ID:

124-14-0029493

Date Collected:

07/02/14 09:55

Collected By:

CLIENT

Date Received:

07/09/14 15:00

Result

Rep.

Limit

Dilutn

Procedure

Test Test

Date

Analyst

03 For SW846 8082 the PCB QC had high recoveries, however PCBs were not detected in the sample above the laboratory <sup>c</sup> reporting limit.

Unit

Distribution of Reports:

Richard Wolfe

Technical Director

Reviewed and Approved by:

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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 07/24/14

Lab ID:

124-14-0029494

Date Collected:

Date Received:

07/02/14 09:55

Collected By:

CLIENT

07/09/14 15:00

Sample Desc: 14-6196, Biosolids (TCLP Leachate Analysis)

	Result	Unit	Rep. Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
LEACHATE								
pH, Extract Fluid	4.91	su	1	1	SW846 9040	07/11	09:00	MXB
pH, Leachate	5.84	su	1	1	SW846 9040	07/11	09:00	MXB
INORGANIC								
EXTRACTION								
TCLP Preparation	Complete		0	0	EPA 1311	07/11	09:00	MXB
TCLP								
Arsenic, TCLP	<.05	mg/L	.05	1	SW846 6010	07/16	22:25	LNA
Barium, TCLP	0.06	mg/L	.05	1	SW846 6010	07/16	22:25	LNA
Cadmium, TCLP	<.05	mg/l	. 05	1	SW846 6010	07/16	22:25	LNA
Chromium, TCLP	<.05	mg/l	.05	1	SW846 6010	07/16	22:25	LNA
Copper, TCLP	<.05	mg/L	. 05	1	SW846 6010	07/16	22:25	LNA
Iron, TCLP	<.2	mg/L	.2	1	SW846 6010	07/15	15:05	LNA
Lead, TCLP	<.15	mg/l	.15	1	SW846 6010	07/16	22:25	LNA
Mercury, TCLP	<.004	mg/l	.004	1	SW846 7470	07/15	15:54	JXS
Molybdenum, TCLP	<.1	mg/L	.1	1	SW846 6010	07/16	22:25	LNA
Nickel, TCLP	<.05	mg/L	. 05	1	SW846 6010	07/16	22:25	LNA
Selenium, TCLP	<.05	mg/L	.05	1	sw846 6010	07/16	22:25	LNA
Silver, TCLP	<.05	mg/l	.05	1	SW846 6010	07/16	10:25	LNA
Zinc, TCLP	0.35	mg/l	. 05	1	SW846 6010	07/16	22:25	LNA
ORGANIC								
ACID COMPOUNDS								
2,4,5-Trichlorophenol, TCLP	<50	ug/l	50	1	SW846 8270	07/17	06:29	MEB
2,4,6-Trichlorophenol, TCLP	<50	ug/l	50	1	SW846 8270	07/17	06:29	MEB
Cresols, TCLP	<50	ug/l	50	1	SW846 8270	07/17	06:29	MEB
Pentachlorophenol, TCLP	<250	ug/l	250	1	SW846 8270	07/17	06:29	MEB
BASE NEUTRALS								
2,4-Dinitrotoluene, TCLP	<50	ug/l	50	1	SW846 8270	07/17	06:29	MEB
Hexachlorobenzene, TCLP	<50	ug/l	50	1	SW846 8270	07/17	06:29	MEB

Distribution of Reports:

Richard Wolfe Technical Director

Page 1 of 3







M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Sample Desc: 14-6196, Biosolids (TCLP Leachate Analysis)

Date of Report: 07/24/14

Lab ID:

124-14-0029494

Date Collected: 07/02/14 09:55

Collected By:

CLIENT

Date Received:

07/09/14 15:00

	Result	Unit	Rep. Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
Hexachlorobutadiene, TCLP	<50	ug/l	50	1	SW846 8270	07/17	06:29	MEB
Hexachloroethane, TCLP	<50	ug/l	50	1	SW846 8270	07/17	06:29	MEB
Nitrobenzene, TCLP	<50	ug/l	50	1	SW846 8270	07/17	06:29	MEB
Pyridine, TCLP	<50	ug/l	50	1	SW846 8270	07/17	06:29	MEB
EXTRACTION								
SM 6640B Extraction	Complete		0	0	SM 6640B	07/14	07:00	JLV
SW846 8081 Extraction	Complete		0	0	sw846 8081	07/16	10:00	RDD
SW846 8270 Extraction	Complete		0	0	SW846 8270	07/15	10:00	RDD
HERBICIDES								
2,4,5-TP Silvex, TCLP	<1	ug/l	1	1	SM 6640B	07/18	17:58	TWH
2,4-D, TCLP	<1	ug/l	1	1	SM 6640B	07/18	17:58	TWH
PESTICIDES								
Chlordane, TCLP	<5	ug/l	5	1	sw846 8081	07/17	06:47	TWH
Endrin, TCLP	<.5	ug/l	.5	1	sw846 8081	07/17	06:47	TWH
Heptachlor (and hydroxide), TCLP	<.5	ug/l	.5	1	sw846 8081	07/17	06:47	TWH
Heptachlor Epoxide, TCLP	<.5	ug/l	.5	1	SW846 8081	07/17	06:47	TWH
Lindane, TCLP	<.5	ug/l	.5	1	SW846 8081	07/17	06:47	TWH
Methoxychlor, TCLP	<.5	ug/l	.5	1	SW846 8081	07/17	06:47	TWH
Toxaphene, TCLP	<10	ug/l	10	1	SW846 8081	07/17	06:47	TWH
VOLATILES								
1,1-Dichloroethylene, ZHE TCLP	<50	ug/l	50	1	SW846 8260	07/11	23:46	GXF
1,2-Dichlorobenzene, ZHE TCLP	<50	ug/l	50	1	SW846 8260	07/11	23:46	GXF
1,2-Dichloroethane, ZHE TCLP	<50	ug/l	50	1	SW846 8260	07/11	23:46	GXF
1,4-Dichlorobenzene, TCLP	<50	ug/l	50	1	SW846 8260	07/11	23:46	GXF
Benzene, ZHE TCLP	<50	ug/l	50	1	SW846 8260	07/11	23:46	GXF
Carbon Tetrachloride, ZHE TCLP	<50	ug/l	50	1	SW846 8260	07/11	23:46	GXF
Chlorobenzene, ZHE TCLP	<50	ug/l	50	1	SW846 8260	07/11	23:46	GXF
Chloroform, ZHE TCLP	<50	ug/l	50	1	SW846 8260	07/11	23:46	GXF
Methyl Ethyl Ketone, ZHE TCLP	<200	ug/l	200	1	SW846 8260	07/11	23:46	GXF
Tetrachloroethylene, ZHE TCLP	<50	ug/l	50	1	SW846 8260	07/11	23:46	GXF

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Reviewed and Approved by:

Richard Wolfe Technical Director

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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 07/24/14

Lab ID:

124-14-0029494

Date Collected:

07/02/14 09:55

Collected By:

CLIENT

Sample Desc: 14-6196, Biosolids (TCLP Leachate Analysis)

Date Received:

07/09/14 15:00

	Result	Unit	Rep. Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
Trichloroethylene, ZHE TCLP	<50	ug/l	50	1	SW846 8260	07/11	23:46	GXF
Vinyl Chloride, ZHE TCLP	<100	ug/l	100	1	SW846 8260	07/11	23:46	GXF

#### COMMENTS

01 The sw846 8270 method ccv had low recovery for Pentachlorophenol.

02 For the sw846 8270 method, Pentachlorophenol had low responce factor in the ccv.

03 For SM 6640B the Blank and QC samples had high surrogate recoveries, and the sample had a low surrogate recovery.

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Richard Wolfe Technical Director

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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Sample Desc: 14-6196, Biosolids (ASTM Leachate Analysis)

Date of Report: 07/24/14

Lab ID:

124-14-0029495

Date Collected:

07/02/14 09:55

Collected By:

CLIENT

Date Received:

07/09/14 15:00

	Result	Unit 	Rep. Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
NITROGENS								
Nitrogen, Ammonia	62	mg/L	2	20	D6919-03	07/17	12:17	JCL
OTHER								
Chemical Oxygen Demand	260	mg/l	25	1	HACH8000	07/14	15:10	HRG
PHYSICAL								
рН	8.47	su	1	1	SM4500H-B	07/14	14:00	EMW
RESIDUES								
Solids, Total	286	mg/l	5	1	SM 2540B	07/14	13:30	TMH
INORGANIC								
EXTRACTION								
ASTM Preparation	Complete		0	0	ASTM	07/11	09:00	MXB
′ТРН								
GENERAL								
Oil and Grease	<10	mg/l	10	1	EPA 1664	07/13	10:00	MXC
Total Petroleum Hydrocarbons	<10	mg/l	10	1	EPA 1664	07/13	12:30	WXC

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Richard Wolfe Technical Director

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## CEMITTICALE OF ANALYSIS M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Sample Desc: 14-8883 RG Grab

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/10/14

Lab ID:

124-14-0042749

Date Collected:

09/22/14 08:50

Collected By:

Date Received:

Client

09/22/14 16:10

	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Cyanide, Free	<.004	mg/l	.004	1	10204001X	09/25	14:44	JCL
Cyanide, Total	<.004	mg/l	.004	1	10204001X	09/25	14:44	JCL
Phenols (4AAP)	0.110	mg/L	.01	1	EPA 420.4	09/24	15:07	JCL
O&G/TPH								
GENERAL								
N-Hexane Extractable Material (O&G)	12	mg/l	5	1	EPA 1664	09/25	06:30	JLV
Silica Gel Treated N-Hexane Extract(TPH)	<5	mg/l	5	1	EPA 1664	09/26	11:00	JLV

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## CERTIFICATE OF ANALYSIS M.J. Reider Associates, Inc.



Attention:	Amy	L.	Morr	iss	

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Sample Desc: 14-8882 RC Composite

Date of Report: 10/10/14

Lab ID:

124-14-0042750

Date Collected: 09/21/14 08:49

Collected By: Client

Date Received:

09/22/14 16:10

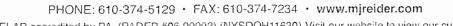
			Rep	Dilutn		Test	Test	
	Result	Unit 	Limit 	Factor	Procedure	Date	Time	Analysi
CHEMISTRY								
COLORMETRIC								
Phosphorus as P, Total	7.3	mg/L	.5	10	SM 4500P-E	09/24	10:55	HRG
INORGANIC								
TOTAL								
Antimony, Total	<.005	mg/l	.005	1	EPA 200.9	10/01	09:42	MXB
Arsenic, Total	0.014	mg/L	.001	1	EPA 200.8	10/08	01:53	MXB
Beryllium, Total	<.005	mg/l	.005	1	EPA 200.7	09/29	02:06	JXS
Cadmium, Total	<.005	mg/L	.005	1	EPA 200.7	09/29	02:06	JXS
Chromium, Total	0.007	mg/l	.005	1	EPA 200.7	09/29	02:06	JXS
Copper, Total	0.098	mg/l	. 01	1	EPA 200.7	09/29	02:06	JXS
Lead, Total	<.01	mg/L	.01	1	EPA 200.7	09/29	02:06	JXS
Mercury, Total	0.0007	mg/l	.0002	1	EPA 245.1	09/24	17:49	JXS
Molybdenum, Total	0.07	mg/L	.01	1	EPA 200.7	09/29	02:06	JXS
Nickel, Total	0.010	mg/L	.005	1	EPA 200.7	09/29	02:06	JXS
Selenium, Total	<.002	mg/L	.002	1	EPA 200.9	10/01	04:01	MXB
Silver, Total	<.005	mg/L	.005	1	EPA 200.7	10/02	11:51	JXS
Thallium, Total	<.05	mg/L	.05	1	EPA 200.7	10/02	23:11	JXS
Zinc, Total	0.009	mg/L	.005	1	EPA 200.7	09/29	02:06	JXS
ORGANIC								
ACID COMPOUNDS								
2,4,6-Trichlorophenol	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
2,4-Dichlorophenol	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
2,4-Dimethylphenol	<5	ug/L	5	1	EPA 625	09/29	20:31	MEB
2,4-Dinitrophenol	<25	ug/L	25	1	EPA 625	09/29	20:31	MEB
2-Chlorophenol	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
2-Nitrophenol	<5	ug/L	5	1	EPA 625	09/29	20:31	MEB
4,6-Dinitro-o-cresol	<25	ug/l	25	1	EPA 625	09/29	20:31	MEB
4-Chloro-3-methylphenol	<10	ug/l	10	1	EPA 625	09/29	20:31	MEB
4-Nitrophenol	<25	ug/l	25	1	EPA 625	09/29	20:31	MEB
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## **LEHILICALE UF ANALYSIS** M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

Sample Desc: 14-8882 RC Composite

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/10/14

Lab ID:

124-14-0042750

Date Collected: 09/21/14 08:49

Collected By:

Client

Date Received:

09/22/14 16:10

	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
Pentachlorophenol	<25	ug/l	 25	1	EPA 625	09/29	20:31	MEB
Phenol	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
ASE NEUTRALS								
1,2,4-Trichlorobenzene	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
1,2-Diphenylhydrazine (as Azobenzene)	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
2,4-Dinitrotoluene	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
2,6-Dinitrotoluene	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
2-Chloronaphthalene	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
3,3'-Dichlorobenzidine	<50	ug/L	50	2	EPA 625	09/30	13:39	MEB
3,4-Benzofluoranthene	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
4-Bromophenyl phenyl ether	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
4-Chlorophenyl phenyl ether	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Acenaphthene	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Acenaphthylene	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Anthracene	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Benzidine	<50	ug/l	50	2	EPA 625	09/30	13:39	MEB
Benzo(a)anthracene	<10	ug/l	10	2	EPA 625	09/30	13:39	MEB
Benzo(a)pyrene	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Benzo(ghi)perylene	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Benzo(k)fluoranthene	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Bis(2-chloroethoxy)methane	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Bis(2-Chloroethyl) ether	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Bis(2-Chloroisopropyl) ether	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Bis(2-Ethylhexyl) phthalate	<10	ug/L	10	2	EPA 625	09/30	13:39	MEB
Butyl benzyl phthalate	<10	ug/l	10	2	EPA 625	09/30	13:39	MEB
Chrysene	<10	ug/l	10	2	EPA 625	09/30	13:39	MEB
Di-n-butyl phthalate	<10	ug/l	10	1	EPA 625	09/29	20:31	MEB
Di~n-octyl phthalate	<10	ug/l	10	1	EPA 625	09/29	20:31	MEB
Dibenz(a,h)anthracene	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Diethyl phthalate	<10	ug/l	10	1	EPA 625	09/29	20:31	MEB

Richard Wolfe

Technical Director









## CERTIFICATE OF ANALYSIS M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

Sample Desc: 14-8882 RC Composite

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/10/14

Lab ID:

124-14-0042750

Date Collected: 09/21/14 08:49

Collected By:

Client

Date Received:

09/22/14 16:10

	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
Dimethyl phthalate	<10	ug/l	10	1	EPA 625	09/29	20:31	MEB
Fluoranthrene	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Fluorene	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Hexachlorobenzene	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Hexachlorocyclopentadiene	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Hexachloroethane	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
<pre>Indeno(1,2,3-cd)pyrene</pre>	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Isophorone	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Library Search, Semivolatiles	see comment	ug/l	40	1	EPA 625	09/29	20:31	MEB
N-Nitrosodi-n-propylamine	<10	ug/l	10	1	EPA 625	09/29	20:31	MEB
N-Nitrosodimethylamine	<10	ug/l	10	1	EPA 625	09/29	20:31	MEB
N-Nitrosodiphenylamine	<10	ug/l	10	1	EPA 625	09/29	20:31	MEB
Naphthalene	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Nitrobenzene	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Phenanthrene	<5	ug/l	5	1	EPA 625	09/29	20:31	MEB
Pyrene	<10	ug/l	10	2	EPA 625	09/30	13:39	MEB
EXTRACTION								
EPA 608 Extraction	Complete		0	0	EPA 608	09/25	10:00	MCM
EPA 625 Extraction	Complete		0	0	EPA 625	09/24	09:00	MCM
PCBS								
PCB-1016	<.2	ug/l	.2	1	EPA 608	09/30	06:11	LAK
PCB-1221	<.2	ug/l	.2	1	EPA 608	09/30	06:11	LAK
PCB-1232	<.2	ug/l	.2	1	EPA 608	09/30	06:11	LAK
PCB-1242	<.2	ug/l	.2	1	EPA 608	09/30	06:11	LAK
PCB-1248	<.2	ug/l	.2	1	EPA 608	09/30	06:11	LAK
PCB-1254	<.2	ug/l	.2	1	EPA 608	09/30	06:11	LAK
PCB-1260	<.2	ug/l	.2	1	EPA 608	09/30	06:11	LAK
PESTICIDES								
4,4'-DDD	<.02	ug/l	.02	1	EPA 608	09/30	06:11	LAK
4,4'-DDE	<.02	ug/l	.02	1	EPA 608	09/30	06:11	LAK
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ENVIRONMENTAL TESTING LABORATORY 107 ANGELICA STREET, READING, PA 19611



#### CENTIFICATE OF AIVALIDID M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

Sample Desc: 14-8882 RC Composite

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/10/14

Lab ID:

124-14-0042750

Date Received:

Date Collected: 09/21/14 08:49

Collected By:

Client

09/22/14 16:10

			Rep	Dilutn		Test	Test	
	Result	Unit	Limit	Factor	Procedure	Date	Time	Analyst
	*							
4,4'-DDT	<.02	ug/l	.02	1	EPA 608	09/30	06:11	LAK
Aldrin	<.02	ug/l	.02	1	EPA 608	09/30	06:11	LAK
alpha-BHC	<.02	ug/l	.02	1	EPA 608	09/30	06:11	LAK
beta-BHC	<.02	ug/l	.02	1	EPA 608	09/30	06:11	LAK
Chlordane	<.5	ug/l	.5	1	EPA 608	09/30	06:11	LAK
delta-BHC	<.02	ug/l	.02	1	EPA 608	09/30	06:11	LAK
Dieldrin	<.02	ug/l	.02	1	EPA 608	09/30	06:11	LAK
Endosulfan I	<.02	ug/l	.02	1	EPA 608	09/30	06:11	LAK
Endosulfan II	<.02	ug/l	.02	1	EPA 608	09/30	06:11	LAK
Endosulfan sulfate	<.02	ug/l	.02	1	EPA 608	09/30	06:11	LAK
Endrin	<.02	ug/l	.02	1	EPA 608	09/30	06:11	LAK
Endrin aldehyde	<.02	ug/l	.02	1	EPA 608	09/30	06:11	LAK
Heptachlor	<.02	ug/l	.02	1	EPA 608	09/30	06:11	LAK
Heptachlor Epoxide	<.02	ug/l	.02	1	EPA 608	09/30	06:11	LAK
Lindane (Gamma BHC)	<.02	ug/l	.02	1	EPA 608	09/30	06:11	LAK
Toxaphene	<.5	ug/l	.5	1	EPA 608	09/30	06:11	LAK

#### COMMENTS

01 EPA 608 method surrogate had low recoveries in the sample and matrix spike.

02 EPA 608 method ending CCV and matrix spike had recoveries outside of laboratory limits due to sample matrix interference.

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Richard Wolfe

Technical Director

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### CERTIFICATE OF ANALYSIS M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

Sample Desc: 14-8882 RC Composite

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report:

10/10/14

Lab ID:

124-14-0042750

Date Collected:

09/21/14 08:49

Client

Collected By:

Date Received:

09/22/14 16:10

Rep

Unit

Limit

Dilutn Factor

Procedure

Test Date

Time Analyst

03 The elevated reporting limits for some of the semi-volatiles was due to sample matrix interference.

Result

04 The epa 625 method QC had low recovery for Benzidine, Hexachloroethane, 2-Chloronaphthalene.

05 The svoc library search tentatively identified: Tricosane, Eicosane, Squalene and Cholestan-3-ol.

> The epa 625 method ccv was low for several compounds but the QC was fine for these compounds.

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### VERTIFICATE OF AWALTOID M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/10/14

Lab ID:

124-14-0042751

Date Collected: 09/22/14 10:46

Collected By:

Client

Sample Desc: 14-8903 RG 4 Grab/Lab Composite					Date Rec	eived:	09/22	2/14 16:10
	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
ORGANIC								
VOLATILES								
1,1,1-Trichloroethane	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
1,1,2,2-Tetrachloroethane	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
1,1,2-Trichloroethane	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
1,1-Dichloroethane	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
1,1-Dichloroethylene	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
1,2-Dichlorobenzene (o-Dichlorobenzene)	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
1,2-Dichloroethane	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
1,2-Dichloropropane	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
1,3-Dichlorobenzene	<.5	ug/L	.5	1	EPA 624	09/23	21:40	GXF
1,4-Dichlorobenzene	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
2-Chloroethylvinyl Ether	<5	ug/l	5	1	EPA 624	09/23	21:40	GXF
Acrolein	<2	ug/l	2	1	EPA 624	09/23	21:40	GXF
Acrylonitrile	<2	ug/L	2	1	EPA 624	09/23	21:40	GXF
Benzene	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
Bromoform (Tribromomethane)	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
Bromomethane (Methyl Bromide)	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
Carbon Tetrachloride	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
Chlorobenzene (Monochlorobenzene)	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
Chlorodibromomethane	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
Chloroethane	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
Chloroform	5.0	ug/l	.5	1	EPA 624	09/23	21:40	GXF
Chloromethane (Methyl Chloride)	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
cis-1,2-Dichloroethylene	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
cis-1,3-Dichloropropylene	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
Dichlorobromomethane	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
Ethylbenzene	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
Hexachlorobutadiene	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
Library Search, Volatiles	see comment	ug/L	15	1	EPA 624	09/23	21:40	GXF
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#### VERTIFICATE OF AIMALTOID M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Sample Desc: 14-8903 RG 4 Grab/Lab Composite

Date of Report: 10/10/14

Lab ID:

124-14-0042751

Date Collected: 09/22/14 10:46

09/22/14 16:10

Collected By:

Date Received:

Client

	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
Methylene Chloride	0.7	ug/l	.5	1	EPA 624	09/23	21:40	GXF
Tetrachloroethylene	0.6	ug/l	.5	1	EPA 624	09/23	21:40	GXF
Toluene .	4.6	ug/l	.5	1	EPA 624	09/23	21:40	GXF
trans-1,2-Dichloroethylene	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
trans-1,3-Dichloropropylene	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
Trichloroethylene	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
Trichlorofluoromethane	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
Vinyl Chloride	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF
Xylenes (Total)	<.5	ug/l	.5	1	EPA 624	09/23	21:40	GXF

#### COMMENTS

17 The VOC library search tentatively identified 1-Propanol, 2-Propanol, Acetone, Carbon disulfide, Methanethiol, and 1 unknown compound.

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Technical Director

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ACIL Seal of Excellence

#### CHAIN OF CUSTODY RECORD M. J. Reider Associates, Inc. **R** 43125 107 Angelica Street Please Print Legibly Page Reading, PA 19611 (INSTRUCTIONS ON BACK OF THIS FORM) 6. Report Type: Phone: 610-374-5129 FAX: 610-374-7234 DISTRIBUTION: White: Report; Yellow: Submitter Routine 1. Client (Company or Individual): Standard QC Address: City: State: ZIP: Phone: FAX: Data Package 2. Invoice To: (If different from above) Address: 7. Turnaround Time ZIP: FAX: City: State: Phone: Standard LS LNA 1.051M 4. P.O. No.: RUSH: 3. Client Project Name / #: Samples Shipped or Hand Delivered Sample Receipt Information Matrix Code (for item 12) Container Codes (for item 13) Preservative Code (for item 14) Method of Shipment: TYPE A = Ascorbic Acid T = NA2S2O3Temperature @ 4C? SIZE Tracking #: DW = Drinking Water 2L = 2 Liter V = VOA vial C = HCI E = EDTA Samples received on ice? Cooler Return Fee: GW = Ground Water L = Liter G = Glass N = HNO3L = NH4CI Sample Containers Intact? ICE CHEST NUMBER: ww = Waste Water P = Plastic S = H2SO4 VOC's Free of Headspace? 500 = 500mlZ = Zinc Acetate P = H3PO4 COC Seal Intact or attached? S = Soil 250 = 250mlM = Micro V = Ascorbic/HCI 125 = 125 mlO = Olher H = NaOH O = Other 17. SPECIAL INSTRUCTIONS/COMMENTS: O = Other 40 = 40 mM = Monochloroacetic Acid Composite VOA's 8. COMPLIANCE PURPOSE: 16. Public Drinking Water: PA SDWA Forms Required FHA/Realty 13. Container: Size / Type Containers NPDES PWSID # 14. Preservative 9. Sample MJRA 11. 12. 10. Total # Description Matrix Analyses Requested Date Time V 9 126 950 8883 9/22/14 14-8882 RC 849 8902 Entered by: OSA Approved by: TST hrs 18. RELINQUISHED BY RECEIVED BY DATE TIME

The Client, by signing, or having client's agent sign, this Chain of Custody Form, agrees to pay for the above requested services per the MJRA Price List or Quotation provided including any and all attorney fees if collection becomes necessary.

1550

1610

Comments:

09-22-14

#### M. J. Reider Associates, Inc.

107 Angelica Street Reading, PA 19611 CHAIN OF © TODY RECORD

Please Print Legibly (INSTRUCTIONS ON BACK OF THIS FORM)

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Page 2 of 2

Reading, F	PA 19611		į		(INS	TRUC	TIONS	ON	BACK OF	THIS F	ORM)		l		70.	100		6. Report Type:	
Phone: 610	0-374-5129 FA	AX: 610-374 <b>-</b> 72	34	DIST	RIBUT	ION:	White:	Rep	ort; Yello	w: Subir	iitler							Routine	
Client (Company or Individual):			Address:															Standard QC	
			City:			:	State:		ZIP:			Phone:			FAX:			Data Package	
2. Invoice To: (If different from above)			Address:															7. Turnaround Time	
			Cily:				State:		ZIP:		<u>.</u>	Phone:			FAX:			Standard	
3. Client Project Name / #: 124	1		4. P.O. No.:						5. Samp	les Nam	e:							RUSH:/	
Matrix Code (for item 12)	Container Code			rvative Cod					Constitution of the	A South San	eipt Info	STATE OF STREET	March States of the States			Samples Sh		and Delivered	dia dia
	SIZE	TYPE	A = Ascorbic A	Acid		A2S2C	)3		S. W. Patrick	and the second	ature @	17.50	y and the		N		The table of the state of the	nipment:	
DW = Drinking Water	2L = 2 Liter	V = VOA vial	C = HCI		E = El				Marie Sale		s receiv	· · · · · · · · · · · · · · · · · · ·	Section Section 1	لإ	N.	Tı	acking #:	n Fee:	
GW = Ground Water WW = Waste Water	L = Liter 500 = 500ml	G = Glass P = Plastic	N = HNO3 S = H2SO4		L = N		.1.1.		Zer (2014)	<b>特里海州为200</b>	Contain	<b>《通》,但是</b> 如何可	A 1942 CONTROL	* (Y	N		ooler Returi	n Fee: NUMBER:	
S = Soil	250 = 250ml	M = Micro	S = H2SO4 P = H3PO4			nc Ace scorbio			W. Talking	70.00	ree of H al Intact	<b>全性,在5.50%</b>	(Jan - 65) 65 6	Y	.∻ N • N		E CHEST N	E) B	
0 = Other	125 = 125ml	O = Other	H = NaOH		0=0		71101				NSTRU(				Getti Astri	escreti sayesa 🗸	ieckeu by.		
0 = 04101	40 = 40ml	0 - Other	II .	onochloroad					17.35	ECIAL I	NSTRUC	TIONS	COMINIE	NIS.					
8. COMPLIANCE PURPOSE:							1	16.	1										
Public Drinking Water: PA	SDWA Forms	Required		FH/	4/Rea	lty						····							
PWSID#				I NIBI	DES			srs	40/							13.	ontaine	er: Size / Type	
FW3ID#		<del></del>		LINPI	DES			taine	10							14	reserva	ative	
MJRA 9. Sar	nple		10.		11	1.	12.	Containers	0							<b>←</b>			
April 5 (12.183)	scription			1	a it			# of				HINE OF L	200	SHOW		п			-
ID# Des	scription		Date .	Time	Сотроя	Grab	Matrix	Total								15.	Analyse	es Requested	
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M.J. Reider Associates, Inc.



Attention:

Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

2 Quarter Surles

Date of Report

Date of Report:

10/28/14

0124-14-0046768

Date Collected:

10/14/14 09:30

Collected By:

Client

Date Received:

10/15/14 15:40

Sample Description: 14-9672 (Composite, Quarterly Sludge)

* Results Expressed as Dry Weight			Detection	1	Test	Test	
	Results	Unit	Limit	Procedure	Date	Time	Analyst
CHEMISTRY							
COLORMETRIC							
Cyanide, Free	3	* mg/kg	2	DEP 1	10/20	16:32	icl
Cyanide, Total	5.9	* mg/kg	2.2	10204001X	•	16:20	
Phenols (4AAP)	30	* mg/kg		EPA 420.4	,	15:48	•
Phosphorus as P, Total	16400	* mg/kg		SM 4500P-E	,	12:35	•
PHYSICAL	10400	979			/		3
Visual Color	see comment	color	1	VISUAL	10/22	09:06	dsm
RESIDUES			·		/		
Total Solids	18.6	%	1	SM 2540G	10/21	13:40	tmh
GANIC	10.0	70	·	J. 25 75 G	, = .		•
JANE							
Chromium, Total	112	* mg/kg	2.69	SW846 6010	10/21	23:34	ixs
Silver, Total	5.9	* mg/kg	2.7	SW846 6010	10/27		
O&G/TPH	3.7	" III9/ K9		3#546 6616	10/21	10.55	JAS
GENERAL							
N-Hexane Extractable Material (O&G)	41690	+ ma/ka	1344	EPA 1664	10/21	07:00	jlv
		* mg/kg			٠.		•
Silica Gel Treated N-Hexane Extract(TP	1) 14350	* mg/kg	1344	EPA 1664	10/27	06:15	jlv
COMMENTS:							

1 - Visual Color of sample was dark brown with white specs

2 - Name of Sampler was not supplied to MJRA by the client.

3 - The total Cyanide matrix spike was low indicating possible sample matrix interference.

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc.

Reviewed and Approved By:

Richard Wolfe

Technical Director

Page 1 of 1





# M. J. R	eider Associa	ates, Inc.			CHA	IN OF		TODY	REC	ORD										
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Reading	, PA 19611				(INST	RUCTIC	NS ON	BACK OF	F THIS F	ORM)		L		701			6. Report	Type:		
Phone: 6	510-374-5129 F	AX: 610-374-7234	1	DIST	RIBUTI	ON: W	nite: Re	port; Yello	w: Subm	itter							Routine	•		
Client (Company or Individual):		A	ddress:	815	\	PC	shi	ngt	$\sim$	5							Standa	rd QC		
City of Read	line	c	ity: Rea	ding				ZIP:						FAX:			Data P	ackage		
2. Invoice To: (If different from above)	- 7		ddress:	)													7. Turnar	ound Tin	ie	
Quarterly		c	- City:			Sta	ite:	ZIP:			Phone:			FAX:			Standa	rd		
3. Client Project Name / #:	1		4. P.O. No.:	7			1		les Name								RUSH:		,	
Matrix Code (for item 12)	Container Code			valive Code	e (for ite	em 14)		-	nple Rec		rmation	esa iri	Marina Marina		Samples Shi	pped or Ha				
	SIZE		A = Ascorbic A			125203		1	Temper	Activities the same	122000 12270		٠٠٧٠		5 Me	thod of Sh	ipment:	4.4		
DW = Drinking Water	2L = 2 Liter	I II	C = HCI		E ≈ ED			100000000000000000000000000000000000000	Samples	2008年本科學	<b>的</b> 是10年10年	用次想到李洁德	Ğ	N	Tra	cking #:				-
GW = Ground Water	L = Liter	1 11	N = HNO3		L = NH			100,000,000,000,000	Sample	XXX 200 100 100 100 100 100 100 100 100 100	CHECK TO STATE OF THE STATE	Book and the same	$\odot$	N	Co	oler Return	ı Fee!	and the second		
ww = waste Water S = Soil	500 = 500ml 250 = 250ml	1 ((	S = H2SO4 P = H3PO4			nc Acetal corbic/H			VOC's F	ree of H	leadspac	er. hado	Y	* N * C	Ch	CHESI N	UMBER:			Sec.
O = Other	125 = 125ml	ł I	H = NaOH		0 = Ot		C.		PECIALI					Special Company	Completely instruction (CI)	ecked by	2400		CANADA MANAGARA	HELDING W.
0 = other	40 = 40ml	0 - Outlet		nochloroac											1100	1.5	ν <b>΄</b> . Ι. ν			
8. COMPLIANCE PURPOSE:		·					16.	1 1	Kel	500 +	31	<u>  ત્લેવુર</u>	2 (Jv	J hore	1kg d	ry W	19h+			
Public Drinking Water:	PA SDWA Forms	Required	[	FHA	VReal	ty			· ,	`		$\frac{1}{2}$								
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MJRA 9. S	ample		10.		11	. 1	in of Containers	locus							<b>₩</b>				-	
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0	-		-Est								15/1		540				<b>公司</b> 其他的制度	ME FOR	Constitution of	特型
The Client, by signing, or having cl	ient's agent sign, this	Chain of Custody For	rm, agrees to pa	ay for the al	bove re	quested	service	s per the I	MJRA Pri	ice List o	r Quotat	on provid	ded inclu	iding any	and all attorn	ey fees if co	ollection bec	omes nec	essary.	



M.J. Reider Associates, Inc.



Attention:

Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report:

12/03/14

Lab ID:

0124-14-0050276

Date Collected:

11/05/14 07:55

Collected By:

Client

Date Received:

11/05/14 15:15

Sample Description: Belt Press Sludge 14-10428 (Composite)

* Results Expressed as Dry Weight			Detection		Test	Test		
	Results	Unit	Limit	Procedure	Date	Time	Analyst	
CHEMISTRY								
COLORMETRIC								
Cyanide, Free	3	* mg/kg	2	DEP 1	11/12	17:34	jcl	
Cyanide, Total	4	* mg/kg	2	10204001X	11/12	17:25	jcl	
Phenols (4AAP)	37	* mg/kg	5.4	EPA 420.4	11/11	16:42	jcl	
Phosphorus as P, Total	15700	* mg/kg	26.9	SM 4500P-E	11/12	15:50	hrg	
PHYSICAL					·			
Visual Color	see comment	color	1	VISUAL	11/18	13:50	dsm	
RESIDUES								
Total Solids	18.6	%	1	SM 2540G	11/07	15:40	tmh	
NORGANIC								
TOTAL								
Arsenic, Total	3	* mg/kg	0.5	EPA 200.9	11/27	02:47	dxm	
Chromium, Total	102	* mg/kg	2.69	SW846 6010	11/11	12:59	jxs	
O&G/TPH								
GENERAL								
N-Hexane Extractable Material (O&G)	32930	∗ mg/kg	1344	EPA 1664	11/17	06:30	jlv	
Silica Gel Treated N-Hexane Extract(TPH)	10500	* mg/kg	1340	EPA 1664	11/19	06:30	jlv	
COMMENTS:								

1 - Visual Color of sample was Charcoal Black

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc.

Richard Wolfe Technical Director

Page 1 of 1

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ENVIRONMENTAL TESTING LABORATORY 107 ANGELICA STREET, READING, PA 19611 PHONE: 610-374-5129 • FAX: 610-374-7234 • www.mjreider.com

ACIL Seel of Excellence

#### M. J. Reider Associates, Inc.

107 Angelica Street Reading, PA 19611

#### CHAIN OF CUSTODY RECORD

Please Print Legibly (INSTRUCTIONS ON BACK OF THIS FORM)

**R** 43212

Page \_\_\_\_ of \_\_/ 6. Report Type:

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		SIZE	TYPE	A = Ascorbic	Acid	T = N	A2S20	53			Temper	-	100		Y	\(N)	5 Method of Ship	oment:
DW = Drinking Water	r	2L ≃ 2 Liter	V ≈ VOA vial	C = HCI		E = E	DTA				Sample	s receiv	ed on ic	e?	Cy	9 N	Tracking #;	
GW = Ground Water		L = Liter	G = Glass	N ≈ HNO3		L = N				200	arra Francisco	5 25 27 2	iers Inta	11.0	(Y)	N.		Fee:
ww = Waste Water	r	500 = 500ml	P = Plastic	S = H2SO4			inc Ace				4530	8 20 1 1	leadspa	4.1	Υ	N	ICE CHEST N	IMBER:
S = Soil		250 = 250ml	M = Micro	P = H3PO4			scorbi	c/HCI		1 457			t or attac		Y	N	Checked by:	<u>ற</u> ம்,
O = Other	—— I	125 = 125ml 40 = 40ml	O = Other	H = NaOH		0 = 0				17. SF			CTIONS/				,	,
8. COMPLIANCE PUR		40 = 40mi		M = M	onochloroae	cetic Ac	DIC		16.		V	1	- V+	- 51	W.de	9 c	s malka	dywish
· —		A SDWA Forms	Required		EH/	A/Rea	ilty		16.	,	*	- R-K4			, UC 3.		_	
PWSID#						DES			ers	6/2							13. Containe	r: Size / Type
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MJRA	9. Sai	mple		10.		1	1.	12.	of Containers								<b>←</b>	
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				Date	Time	Composite	Grab	Matrix	Total#								↓ 15. Analyses	Requested
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												11/5	/14 5/14		150 515		Comments:	
The Client, by signing	g, or having clien	it's agent sign, this	Chain of Custody F	orm, agrees to p	ay for the a	bove re	equest	ed sen	vices	per the N	MJRA Pri					ding any	and all attorney fees if coll	ection becomes necessary.



M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Sample Desc: RG 14-10855 (Grab, Quarterly)

Date of Report:

12/04/14

Lab ID:

124-14-0052462

Date Collected: 11/18/14 08:35

Collected By:

Client

Date Received:

11/19/14 14:50

	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Cyanide, Free	<.004	mg/l	.004	1	DEP 1	11/20	17:29	JCL
Cyanide, Total	0.004	mg/l	.004	1	10204001X	11/20	17:21	J C L
Phenols (4AAP)	0.069	mg/l	.01	1	EPA 420.4	11/20	14:51	JCL
O&G/TPH								
GENERAL								
N-Hexane Extractable Material (O&G)	14	mg∕l	5	1	EPA 1664	11/24	06:30	JLV
Silica Gel Treated N-Hexane Extract(TPH)	<5	mg/l	5	1	EPA 1664	11/28	07:00	JLV

Distribution of Reports:

Reviewed and Approved by

Richard Wolfe Technical Director

Page 1 of 1







M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Sample Desc: RC 14-10850 (Composite, Quarterly)

Date of Report:

12/04/14

Lab ID:

124-14-0052463

Date Collected: 11/17/14 08:34

Collected By:

Client

Date Received:

11/19/14 14:50

	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Phosphorus as P, Total	6.6	mg/l	.5	10	SM 4500P-E	11/20	11:10	HRG
INORGANIC								
TOTAL								
Arsenic, Total	0.011	mg/l	.001	1	EPA 200.8	12/02	02:13	MXB
Cadmium, Total	<.005	mg/l	.005	1	EPA 200.7	11/26	00:28	JXS
Chromium, Total	0.012	mg/l	.005	1	EPA 200.7	11/26	00:28	JXS
Copper, Total	0.017	mg/l	.01	1	EPA 200.7	11/26	00:28	JXS
Lead, Total	0.01	mg/l	.01	1	EPA 200.8	12/02	02:13	MXB
Mercury, Total	<.0001	mg/l	.0001	1	EPA 245.1	11/20	14:14	AEH
Molybdenum, Total	0.02	mg/l	.01	1	EPA 200.8	12/02	02:13	MXB
Nickel, Total	0.008	mg/l	.005	1	EPA 200.8	12/02	02:13	MXB
Silver, Total	<.005	mg/l	.005	1	EPA 200.8	12/02	02:13	MXB
Zinc, Total	0.327	mg/l	.01	1	EPA 200.7	11/26	00:28	JXS

Distribution of Reports:

Reviewed and Approved by

Richard Wolfe Technical Director

Page 1 of 1





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#### M. J. Reider Associates, Inc.

107 Angelica Street Reading, PA 19611

#### CHAIN OF C ODY RECORD

Please Print Legibly (INSTRUCTIONS ON BACK OF THIS FORM) **R** 43217

Page \_\_\_/ of \_\_\_/

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City of	- Reading			City:				State:		ZIP	<u> </u>		Phone:			FAX:			Data Package
2. Invoice Tol (If differen	, I			Address:														7	. Turnaround Time
Qua	rterly			City:				State:		ZIP	:		Phone:		-	FAX:		)	Standard
3. Client Project Name /	#: hab	#124		4. P.O. No.:						5. Samp	ites Nam	e; (	AF				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	T	RUSH:/
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DW = Drinking Water	21	SIZE L = 2 Liter	TYPE V = VOA vial	A = Ascorbic A C = HCl	Acid	T = N. E = EI		J3		ATTO STEAM BOOK	Temper Sample	AND THE RESERVED IN	reserves and the co	e?		N – (	Method of S	Shipm	ent:
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ww = Waste Water	500	0 = 500ml	P = Plastic	S = H2SO4		Z = Zi	nc Ace	etate			VOC's F				Ϋ́	N	ICE CHEST	NUM	BER: WW/ WILL TO SEE
S = Soil	250	0 = 250ml	M = Micro	P = H3PO4		V = A	scorbio	c/HCI		200	COC Se	al Intac	or attac	ched?	nin Y	. N	Checked by	. <u>.</u> (	35W
O = Other	ll ll	5 = 125ml	O = Other	H = NaOH		0 = 0			-	_17. SI	PECIAL I	NSTRU	CTIONS	СОММЕ	NTS:				
8. COMPLIANCE PUR	بتربي كالصديد ومستحد	0 = 40ml		<u>M</u> = Mc	nochloroac	elic Ac	old		16.										
	ing Water: PA SD	OWA Forms	Required		FHA	VRea	lty												
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SQ 46Q	RG14-	10855	>	11/8/11	<u> </u>		χ'	25	4	2	12700123703	THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE S	PRIORITINE DE	THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE S	04598458474	**************************************			HEM+SGTHEM)
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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Sample Desc: FG 14-10847 (Grab, Quarterly)

Date of Report:

12/04/14

Lab ID:

124-14-0052464

Date Collected: 11/18/14 08:00

Collected By:

Client

Date Received:

11/19/14 14:50

	- 4		Rep	Dilutn		Test	Test	
	Result	Unit	Limit	Factor	Procedure	Date	Time	Analyst
CHEMISTRY								
COLORMETRIC								
Cyanide, Free	<.004	mg/l	.004	1	10204001x	11/20	17:22	JCL
Cyanide, Total	<.004	mg/l	.004	1	10204001x	11/20	17:22	JCL
Phenols (4AAP)	0.058	mg/l	.01	1	EPA 420.4	11/20	14:51	JCL
O&G/TPH								
GENERAL								
N-Hexane Extractable Material (O&G)	<5	mg/L	5	1	EPA 1664	11/24	06:30	JLV
Silica Gel Treated N-Heyane Extract(TPH)	<5	ma / 1	5	1	EPA 1664	11/28	07:00	.11 V

#### COMMENTS

The EPA 1664A spike of this sample had recovery outside of the J1 recommended range.

Distribution of Reports:

Reviewed and Approved by

Richard Wolfe Technical Director

Page 1 of 1







M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Sample Desc: FC 14-10850 (Composite, Quarterly)

Date of Report: 12/04/14

Lab ID:

124-14-0052465

Date Collected: 11/17/14 07:59

Collected By:

Client

Date Received:

11/19/14 14:50

	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Phosphorus as P, Total	3.4	mg/l	.5	10	SM 4500P-E	11/20	11:10	HRG
INORGANIC								
TOTAL								
Arsenic, Total	0.012	mg/l	.001	1	EPA 200.8	12/02	02:13	MXB
Cadmium, Total	<.005	mg/l	.005	1	EPA 200.7	11/26	00:28	JXS
Chromium, Total	<.005	mg/l	.005	1	EPA 200.7	11/26	00:28	JXS
Copper, Total	0.018	mg/l	.01	1	EPA 200.7	11/26	00:28	JXS
Lead, Total	<.01	mg/l	.01	1	EPA 200.8	12/02	02:13	MXB
Mercury, Total	<.0001	mg/l	.0001	1	EPA 245.1	11/20	14:14	AEH
Molybdenum, Total	0.02	mg/l	.01	1	EPA 200.8	12/02	02:13	MXB
Nickel, Total	0.006	mg/l	.005	1	EPA 200.8	12/02	02:13	MXB
Silver, Total	<.005	mg/l	.005	1	EPA 200.8	12/02	02:13	MXB
Zinc, Total	0.070	mg/l	.01	1	EPA 200.7	11/26	00:28	JXS

Distribution of Reports:

Reviewed and Approved by:

Technical Director

Page 1 of 1





#### M. J. Reider Associates, Inc.

107 Angelica Street Reading, PA 19611

#### CHAIN OF CI DDY RECORD

Please Print Legibly

**R** 43218

Page /\_\_ of \_\_/

Readi	ng, PA 19611		l		(INS	TRUC'	TIONS	ON	BACK O	F THIS F	ORM)		l		701		6	. Report Type:
Phone	e: 610-374-5129 FA	X: 610-374-72	234	DIST	RIBUT	10N:	White:	: Rep	ort; Yello	ow: Subm	nitter						K	Routine
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City of Re	ading		City:				State:		ZIP	1:		Phone:			FAX:			Data Package
2. Invoice To: (If different from abo	~)		Address:														7	. Turnaround Time
Quartery			City:				State:		ZIP	1:		Phone:			FAX:		7	Standard
3. Client Project Name / #:	rab #124		4. P.O. No.:						5. Samp	ples Nam	e: .	JAT						RUSH:/
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DW = Drinking Water	SIZE 2L = 2 Liter	TYPE V = VOA vial	A = Ascorbic A C = HCl	CID	T = N	IA2S2C	J3		1 5 C C C C C C C C C C C C C C C C C C	Temper Sample	Manager at the second	4C? ed on Ic	92		N	Method of S	snipm	ent:
GW = Ground Water	L = Liter	G = Glass	N = HNO3		L=N				THE PERSON NAMED IN COLUMN	Sample		No. of Supray Control of the	Author Street	Ħ		Cooler Retu		e:
ww = waste Water	500 = 500ml	P = Plastic	S = H2SO4			inc Ace	etate			Charles and the state of	Committee Services	leadspa	THE RESERVE	Ÿ	N N	ICE CHEST	NUM	BER:
S = Soil	250 = 250ml	M = Micro	P = H3PO4			scorbic				State of the latest	edellar Santa	t or attac	Construction Construction	Y	- N	Checked by		BER:
O = Other	125 = 125ml	O = Other	H = NaOH		0 := 0	Other			17. SI	PECIAL I	S. J. Charles S. S. S.		T STORY OLD BOOK			MARKET AND AND THE PROPERTY OF THE PARTY OF		394-21E4 (Pen-egy F1) (Transfer F199-15E4)
A COMPLIANCE PURPOSE	40 = 40mi	L	M = Mo	nochloroac	etic Ac	bid		40										
8. COMPLIANCE PURPOSE: Public Drinking Wate	r: PA SDWA Forms	Required	1	FHA	4/Rea	Ity		16.										
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PWSID#				NPI	DES			Containers	16	10	13	17	14			14. Preserv	ativ	/e
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A)	4	/	15. RECEIV	LD B1	15.	an 1	GD.	A	<del>)                                    </del>			19.10	7/	4/4/	1	Comments:	VDD.	oved by an analysis of the second
///		<del></del>			- 0	9/1	2ml	6/1	R		1/0/	7-14	4,	447	5	Commence		
The Client, by signing, or having	g client's agent sign, this (	Chain of Custody F	orm, agrees to pa	ay for the a	bove re	equesto	ed sen	vices	per the	MJRA Pr	ice List o	or Quotat	ion provi	ded inclu	ding any	and all attorney fees if	collec	tion becomes necessary.



M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Sample Desc: 6th 14-10866 (Grab, Quarterly)

Date of Report:

12/08/14

Lab ID:

124-14-0052470

Date Collected: 11/18/14 08:11

Collected By:

Client

Date Received:

11/19/14 14:50

	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Cyanide, Free	<.004	mg/l	.004	1	DEP 1	11/20	17:31	JCL
Cyanide, Total	0.007	mg/l	.004	1	10204001X	11/20	17:23	JCL
Phenols (4AAP)	0.148	mg/l	.01	1	EPA 420.4	11/20	14:53	JCL
O&G/TPH								
GENERAL								
N-Hexane Extractable Material (0&G)	32	mg/l	5	1	EPA 1664	11/24	06:30	JLV
Silica Gel Treated N-Hexane Extract(TPH)	<5	mg/l	5	1	EPA 1664	11/28	07:00	JŁV

Distribution of Reports:

Reviewed and Approved by

Richard Wolfe Technical Director

Page 1 of 1







M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Copper, Total

Mercury, Total

Nickel, Total

Silver, Total

Zinc, Total

Molybdenum, Total

Lead, Total

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Sample Desc: 6th 14-10865 (Composite, Quarterly)

Date of Report:

12/08/14

Lab ID:

124-14-0052471

Date Collected: 11/17/14 08:10

Collected By:

Client

11/26 00:28 JXS

11/26 00:28 JXS

11/20 14:14 AEH

11/26 00:28 JXS

11/26 00:28 JXS

EPA 200.7 12/04 13:46 JXS

EPA 200.7 11/26 00:28 JXS

Date Received:

EPA 200.7

EPA 200.7

EPA 245.1

EPA 200.7

EPA 200.7

11/19/14 14:50

			Rep	Dilutn		Test	Test	
	Result	Unit	Limit	Factor	Procedure	Date	Time	Analyst
CHEMISTRY								
COLORMETRIC								
Phosphorus as P, Total	4.4	mg/l	.5	10	SM 4500P-E	11/20	11:10	HRG
INORGANIC								
TOTAL								
Arsenic, Total	0.009	mg/L	.001	1	EPA 200.8	12/05	02:28	BTG
Cadmium, Total	<.005	mg/L	.005	1	EPA 200.7	11/26	00:28	JXS
Chromium, Total	0.020	mg/L	.005	1	EPA 200.7	11/26	00:28	JXS

mg/l

mg/L

mg/l

mg/l

mg/l

mg/L

mg/L

0.137

0.02

0.06

0.010

<.005

0.328

<.0001

.01

.01

.0001

.01

.005

.005

.01

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Distribution of Reports:

Reviewed and Approved by:

Richard Wolfe Technical Director

Page 1 of 1





#### M. J. Reider Associates, Inc.

107 Angelica Street Reading, PA 19611

#### CHAIN O JSTODY RECORD

Please Print Legibly

(INSTRUCTIONS ON BACK OF THIS FORM)	l
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**R** 43215

Page \_\_\_\_ of \_\_\_

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Phone: 610-374-5129 FAX: 610-374-72	34	DIST	RIBUTI	ON:	White:	Rep	ort; Yello	ow: Subn	nilter					Routine
Client (Company or Individual):	Address:													Standard QC
City of Reading	City:				Slate:		ZIP	:		Phone:			FAX:	Data Package
2. Invoice To: (If different from above)	Address:													7. Turnaround Time
Quarterly	City:				State:		ZIP	:		Phone:			FAX:	Standard
3. Client Project Name /#: Lab #124	4. P.O. No.:						5. Samp	oles Nam	ie: U	Ś				RUSH:/
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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Sample Desc: GC 14-10868 (Grab, Quarterly)

Date of Report: 12/08/14

Lab ID:

124-14-0052468

Date Collected: 11/18/14 07:56

Collected By:

Client

Date Received:

11/19/14 14:50

	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Cyanide, Free	<.004	mg/l	.004	1	DEP 1	11/20	17:30	JCL
Cyanide, Total	0.004	mg/l	.004	1	10204001X	11/20	17:23	JCL
Phenols (4AAP)	0.087	mg/l	.01	1	EPA 420.4	11/20	14:52	JCL
O&G/TPH								
GENERAL								
N-Hexane Extractable Material (O&G)	10	mg/l	5	1	EPA 1664	11/24	06:30	JLV
Silica Gel Treated N-Hexane Extract(TPH)	<5	mg/l	5	1	EPA 1664	11/28	07:00	JLV

Distribution of Reports:

Reviewed and Approved by:

Technical Director

Page 1 of 1







M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported To: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report:

12/08/14

Lab ID:

124-14-0052469

Date Collected: 11/17/14 07:55

Collected By:

Client

Sample Desc: GC 14-10867 (Composite, Quarterly)

Date Received:

11/19/14 14:50

	Result	Unit	Rep Limit	Dilutn Factor	Procedure	Test Date	Test Time	Analyst
CHEMISTRY								
COLORMETRIC								
Phosphorus as P, Total	4.2	mg/L	.5	10	SM 4500P-E	11/20	11:10	HRG
INORGANIC						·		
TOTAL								
Arsenic, Total	0.011	mg/L	.001	1	EPA 200.8	12/05	02:28	BTG
Cadmium, Total	<.005	mg/L	.005	1	EPA 200.7	11/26	00:28	JXS
Chromium, Total	<.005	mg/L	.005	1	EPA 200.7	11/26	00:28	JXS
Copper, Total	0.032	mg/l	.01	1	EPA 200.7	11/26	00:28	JXS
Lead, Total	<.01	mg/L	.01	1	EPA 200.7	11/26	00:28	JXS
Mercury, Total	<.0001	mg/l	.0001	1	EPA 245.1	11/20	14:14	AEH
Molybdenum, Total	<.01	mg/l	.01	1	EPA 200.7	11/26	00:28	JXS
Nickel, Total	<.005	mg/l	.005	1	EPA 200.7	11/26	00:28	JXS
Silver, Total	<.005	mg/l	.005	1	EPA 200.7	12/04	13:46	JXS
Zinc, Total	0.219	mg/l	.01	1	EPA 200.7	11/26	00:28	JXS

Distribution of Reports:

Reviewed and Approved by:

Technical Director

Page 1 of 1





	2	

#### M. J. Reider Associates, Inc.

107 Angelica StreetReading, PA 19611

#### CHAIN C USTODY RECORD

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(INSTRUCTIONS ON BACK OF THIS FORM)

**R** 43216

Page \_\_\_\_ of \_\_\_\_\_

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ww = waste Water		500 = 500ml	P = Plastic	S = H2SO4		Z = Zir	пс Асе	tate	- 1		VOC's F	ree of H	eadspa	ce?	Y	N	ice chest N	IUMI	ger. <u>Je i d</u>
S = Soil		250 = 250ml	M = Micro	P = H3PO4		V = As	corbic	/HCI		1,000	COC Se	al Intact	or attac	hed?	Y	N ***	Checked by:	1	BER SW
O = Other	_	125 = 125ml	O = Other	H = NaOH		O = 0			_		PECIAL I								
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M.J. Reider Associates, Inc.



Attention:

Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/22/14

Lab ID:

0124-14-0044950

Date Collected: 10/02/14 11:34

Collected By:

Client

Date Received:

10/03/14 14:55

Sample Description: 14-9273 Belt Press (Composite, Local Limits)

* Results Expressed as Dry Weight			Detection	1	Test	Test	
	Results	Unit	Limit	Procedure	Date	Time	Analyst
CHEMISTRY							
COLORMETRIC							
Cyanide, Free	<2	* mg/kg	2	DEP 1	10/09	16:34	jcl
Cyanide, Total	5	* mg/kg	2	10204001X	10/09	16:26	jcl
Phenols (4AAP)	34	* mg/kg	5.4	EPA 420.4	10/08	17:16	jcl
Phosphorus as P, Total	11400	* mg/kg	27.0	SM 4500P-E	10/13	12:40	hrg
NITROGENS							
Nitrogen, Ammonia	7600	* mg/kg	540	EPA 350.1	10/09	13:38	jcl
OTHER							
Biochemical Oxygen Demand	70300	* mg/kg	1080	SM 5210B	10/06	14:25	em₩
'SICAL							
Visual Color	see comment	color	1	VISUAL	10/22	09:04	dsm
RESIDUES							
Total Solids	18.5	%	1	SM 2540G	10/08	14:15	tmh
INORGANIC							
TOTAL							
Antimony, Total	<27.0	* mg/kg	27.0	sw846 6010	10/07	01:46	jxs
Arsenic, Total	2	* mg/kg	0.5	EPA 200.9	10/09	19:57	πxp
Beryllium, Total	<2.70	* mg/kg	2.70	SW846 6010	10/07	01:46	jxs
Cadmium, Total	3	* mg/kg	3	sw846 6010	10/07	01:46	jxs
Chromium, Total	103	* mg/kg	2.70	SW846 6010	10/07	01:46	jxs
Copper, Total	507	* mg/kg	2.70	SW846 6010	10/07	01:46	jxs
Lead, Total	120	* mg/kg	27	SW846 6010	10/07	01:46	jxs
Mercury, Total	2	* mg/kg	1	SW846 7471	10/14	09:39	jxs
Molybdenum, Total	76	* mg/kg	5.4	SW846 6010	10/07	01:46	jxs
Nickel, Total	52	* mg/kg	2.7	SW846 6010	10/07	01:46	jxs
Selenium, Total	4	* mg/kg	1	EPA 200.9	10/10	01:01	mxb
Silver, Total	5.9	* mg/kg	2.7	SW846 6010	10/09	13:40	jxs
Thallium, Total	<27.0	* mg/kg	27.0	SW846 6010	10/07	01:46	jxs

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Richard Wolfe Technical Director

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Attention:

Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report:

10/22/14

Lab ID:

0124-14-0044950

Date Collected: 10/02/14 11:34

Collected By:

Client

Date Received:

10/03/14 14:55

Sample Description: 14-9273 Belt Press (Composite, Local Limits)

* Results Expressed as Dry Weight	Results	Unit	Detection Limit	Procedure	Test Date	Test Time	Analyst	
Zinc, Total	1600	* mg/kg	2.70	sw846 6010	10/07	01:46	jxs	
O&G/TPH								
GENERAL								
N-Hexane Extractable Material (O&G)	19320	* mg/kg	1351	EPA 1664	10/08	06:30	jlv	
Silica Gel Treated N-Hexane Extract(TPH)	6189	* mg/kg	1351	EPA 1664	10/09	06:30	jlv	
ORGANIC								
ACID COMPOUNDS								
2,4,6-Trichlorophenol	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb	
2,4-Dichlorophenol	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb	
2,4-Dimethylphenol	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb	
2,4-Dinitrophenol	<270	* mg/kg	270	SW846 8270	10/08	19:39	meb	
2-Chlorophenol	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb	
2-Nitrophenol	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb	
4,6-Dinitro-o-cresol	<270	* mg/kg	270	SW846 8270	10/08	19:39	meb	
4-Chloro-3-methylphenol	<108	* mg/kg	108	SW846 8270	10/08	19:39	meb	
4-Nitrophenol	<270	* mg/kg	270	sw846 8270	10/08	19:39	meb	
Pentachlorophenol	<270	★ mg/kg	270	SW846 8270	10/08	19:39	meb	
Phenol	<54.0	★ mg/kg	54.0	SW846 8270	10/08	19:39	meb	
BASE NEUTRALS					•			
1,2,4-Trichlorobenzene	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb	
1,2-Dichlorobenzene (o-Dichlorobenzene)	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb	
1,2-Diphenylhydrazine (as Azobenzene)	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb	
1,3-Dichlorobenzene	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb	
1,4-Dichlorobenzene	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb	
2,3,7,8-Tetrachlorodibenzodioxin	see comment	mg/kg	2.5	SW846 8270	10/08	19:39	meb	
2,4-Dinitrotoluene	<54.0	* mg/kg	54.0	SN846 8270	10/08	19:39	meb	
2,6-Dinitrotoluene	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb	
2-Chloronaphthalene	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb	
3,3'-Dichlorobenzidine	<108	* mg/kg	108	SW846 8270	10/08	19:39	meb	

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c/o City Hall 815 Washington St. Reading PA 19601

Date of Report:

10/22/14

Lab ID:

0124-14-0044950

Date Collected: 10/02/14 11:34

Collected By:

Client

Date Received:

10/03/14 14:55

Sample Description: 14-9273 Belt Press (Composite, Local Limits)

* Results Expressed as Dry Weight			Detectio	n	Test	Test	
	Results	Unit	Limit	Procedure	Date	Time	Analyst
3,4-Benzofluoranthene	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb
4-Bromophenyl phenyl ether	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb
4-Chlorophenyl phenyl ether	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb
Acenaphthene	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb
Acenaphthylene	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb
Anthracene	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb
Benzidine	<108	∗ mg/kg	108	sw846 8270	10/08	19:39	meb
Benzo(a)anthracene	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb
Benzo(a)pyrene	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb
Benzo(ghi)perylene	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb
enzo(k)fluoranthene	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb
Bis(2-chloroethoxy)methane	<54.0	∗ mg/kg	54.0	SW846 8270	10/08	19:39	meb
Bis(2-Chloroethyl) ether	<54.0	*_mg/kg	54.0	sw846 8270	10/08	19:39	meb
Bis(2-Chloroisopropyl) ether	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb
Bis(2-Ethylhexyl) phthalate	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb
Butyl benzyl phthalate	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb
Chrysene	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb
Di-n-butyl phthalate	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb
Di-n-octyl phthalate	<54.0	* mg/kg	54.0	sW846 8270	10/08	19:39	meb
Dibenz(a,h)anthracene	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb
Diethyl phthalate	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb
Dimethyl phthalate	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb
Fluoranthrene	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb
Fluorene	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb
Hexachlorobenzene	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb
Hexachlorobutadiene	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb
Hexachlorocyclopentadiene	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb
Hexachloroethane	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb
Indeno(1,2,3-cd)pyrene	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb

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Attention:

Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/22/14

Lab\*ID:

0124-14-0044950

Date Collected:

10/02/14 11:34

Collected By:

Client

Date Received:

10/03/14 14:55

Sample Description: 14-9273 Belt Press (Composite, Local Limits)

* Results Expressed as Dry Weight			Detection	on	Test	Test	
	Results	Unit	Limit	Procedure	Date	Time	Analyst
Isophorone	<54.0	* mg/kg	54.0	sw846 8270	10/08	19:39	meb
Library Search, Semivolatiles	see comment	mg/kg	2.5	EPA 625	10/07	19:36	meb
N-Nitrosodi-n-propylamine	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb
N-Nitrosodimethylamine	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb
N-Nitrosodiphenylamine	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb
Naphthalene	<54.0	* mg/kg	54.0	sW846 8270	10/08	19:39	meb
Nitrobenzene	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb
Phenanthrene	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb
Pyrene	<54.0	* mg/kg	54.0	SW846 8270	10/08	19:39	meb
FYTRACTION		·			·		
W846 8081 Extraction	Complete		0	sw846 8081	10/08	08:45	mcm
SW846 8270 Extraction	Complete		0	SW846 8270	10/06	08:30	rdd
PCBS					·		
PCB-1016	<5.40	* mg/kg	5.40	sw846 8082	10/10	10:53	lak
PCB-1221	<5.40	* mg/kg	5.40	SW846 8082	10/10	10:53	lak
PCB-1232	<5.40	* mg/kg	5.40	sw846 8082	10/10	10:53	lak
PCB-1242	<5.40	* mg/kg	5.40	SW846 8082	10/10	10:53	lak
PCB-1248	<5.40	* mg/kg	5.40	sw846 8082	10/10	10:53	lak
PCB-1254	<5.40	* mg/kg	5.40	sw846 8082	10/10	10:53	lak
PCB-1260	<5.40	* mg/kg	5.40	sw846 8082	10/10	10:53	lak
PESTICIDES					·		
4,4'-DDD	<5.40	* mg/kg	5.40	sw846 8081	10/10	10:53	lak
4,4'-DDE	<5.40	* mg/kg	5.40	SW846 8081	10/10	10:53	lak
4,4'-DDT	<5.40	* mg/kg	5.40	sw846 8081	10/10	10:53	lak
Aldrin	<5.40	* mg/kg	5.40	sw846 8081	10/10	10:53	lak
alpha-BHC	<5.40	* mg/kg	5.40	SW846 8081	10/10	10:53	lak
beta-BHC	<5.40	* mg/kg	5.40	sw846 8081	10/10	10:53	lak
Chlordane	<27.0	* mg/kg	27.0	sw846 8081	10/10	10:53	lak
delta-BHC	<27.0	* mg/kg	27.0	sw846 8081	10/10	10:53	lak

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Date of Report: 10/22/14

Lab ID:

0124-14-0044950

Date Collected: 10/02/14 11:34

Collected By:

Client

Date Received:

10/03/14 14:55

Sample Description: 14-9273 Belt Press (Composite, Local Limits)

* Results Expressed as Dry Weight			Detectio	n	Test	Test	
	Results	Unit	Limit	Procedure	Date	Time	Analyst
Dieldrin	<5.40	* mg/kg	5.40	sw846 8081	10/10	10:53	lak
Endosulfan I	<5.40	* mg/kg	5.40	SW846 8081	10/10	10:53	lak
Endosulfan II	<5.40	* mg/kg	5.40	SW846 8081	10/10	10:53	lak
Endosulfan sulfate	<5.40	* mg/kg	5.40	sw846 8081	10/10	10:53	lak
Endrin	<5.40	* mg/kg	5.40	sw846 8081	10/10	10:53	lak
Endrin aldehyde	<5.40	* mg/kg	5.40	sw846 8081	10/10	10:53	lak
Heptachlor	<5.40	* mg/kg	5.40	sw846 8081	10/10	10:53	lak
Heptachlor Epoxide	<5.40	* mg/kg	5.40	sw846 8081	10/10	10:53	lak
Lindane (Gamma BHC)	<5.40	* mg/kg	5.40	sw846 8081	10/10	10:53	lak
Toxaphene	<5.40	* mg/kg	5.40	SW846 8081	10/10	10:53	lak
LATILES							
1,1,1-Trichloroethane	<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
1,1,2,2-Tetrachloroethane	<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
1,1,2-Trichloroethane	<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
1,1-Dichloroethane	<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
1,1-Dichloroethylene	<0.135	★ mg/kg	0.135	sw846 8260	10/06	18:33	gxf
1,2-Dichloroethane	<0.135	* mg/kg	0.135	sw846 8260	10/06	18:33	gxf
1,2-Dichloropropane	<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
2-Chloroethylvinyl Ether	<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
Acrolein	<1.35	* mg/kg	1.35	sw846 8260	10/06	18:33	gxf
Acrylonitrile	<1.35	* mg/kg	1.35	SW846 8260	10/06	18:33	gxf
Benzene	<0.135	★ mg/kg	0.135	SW846 8260	10/06	18:33	gxf
Bromoform (Tribromomethane)	<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
Bromomethane (Methyl Bromide)	<0.270	* mg/kg	0.270	SW846 8260	10/06	18:33	gxf
Carbon Tetrachloride	<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
Chlorobenzene (Monochlorobenzene)	<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
Chlorodibromomethane	<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
Chloroethane	<0.270	* mg/kg	0.270	SW846 8260	10/06	18:33	gxf
Chloroform	<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf

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Richard Wolfe Technical Director

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Attention:

Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/22/14

Lab ID:

.0124-14-0044950

Date Collected: 10/02/14 11:34

Collected By:

Client

Date Received:

10/03/14 14:55

Sample Description: 14-9273 Belt Press (Composite, Local Limits)

* Results Expressed	as Dry Weight	Results	Unit	Detection Limit	Procedure	Test Date	Test Time	Analyst
Chloromethane (Me	•	<0.270	* mg/kg	0.270	SW846 8260	10/06	18:33	•
cis-1,3-Dichlorop	.,	<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
Dichlorobromometh		<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
Ethylbenzene	olatiles	<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
Library Search, N		see comment	mg/kg	.03	SW846 8260	10/06	19:43	qxf
Methylene Chloric	le	<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
Tetrachloroethyle	ne	<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
Toluene		0.465	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
trans-1,2-Dichlor	•	<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
trans-1,3-Dichlor		<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
richloroethylene	,	<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
Trichlorofluorome	thane	<0.135	* mg/kg	0.135	SW846 8260	10/06	18:33	gxf
Vinyl Chloride		<0.270	* mg/kg	0.270	SW846 8260	10/06	18:33	gxf

- 56 The dissolved oxygen depletion of the SM5210B dilution water blank was greater than 0.2 mg/L.
- 57 Visual Color of sample was dark brown with white specs
- 58 The svoc library search tentatively identified: Cyclic octaatomic sulfur, several Contanes, three Cosanes, Squalene and two Chloestans.
- 59 The elevated reporting limits for the semi-volatiles was due to sample matrix interference.
- 60 One or more semi-volatile compounds had high recovery in the QC but none of these compounds were detected in this sample above the laboratory's reporting limit.

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10/22/14

Lab ID:

0124-14-0044950

Date Collected: 10/02/14 11:34

Collected By:

Client

Date Received:

10/03/14 14:55

Sample Description: 14-9273 Belt Press (Composite, Local Limits)

\* Results Expressed as Dry Weight

Unit

Detection

Test

Test

Time Analyst

Results

Procedure

- 61 The semi-volatile extract was analyzed for 2,3,7,8-Tetrachlorodibenzo-p-dioxin. There was no indication of the characteristic ion in the extract.
- 62 The sw846 8270 method ccv had low recovery for N-Nitrosodimethylamine and Bis(2-chloroisopropyl)ether.
- 63 The sw846 8270 method surrogates 2-Fluorophenol and Phenol-d6 had high recovery in the QC and Phenol-d6 was high in the Blank.
- The sw846 8270 method ccv had low RF for several compounds.
- 65 The sw846 8270 internal standards: Phenanthrene-d10,Chrysene-d12 and Perylene- d12 had low recovery in the Blank and Chrysene-d12 was low in the sample.
- 66 The sw846 8270 method internal standards Phenanthrene-d10 and Chrysene-d12 had low recovery in the duplicate sample.
- 67 The sw846 8270 method QC had low recovery for Benzidine.
- 68 The svoc library search tentatively identified: two Decanoic acids, 9-Hexadecenoic acid, Dioctadecyl Ester Phosphonic acid.
- 69 SW846 8081 ending CCV did not meet laboratory criteria for one or more analytes due to sample matrix interference.

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Lab ID:

0124-14-0044950

Date Collected: 10/02/14 11:34

Collected By:

Client

Date Received:

10/03/14 14:55

Sample Description: 14-9273 Belt Press (Composite, Local Limits)

\* Results Expressed as Dry Weight

Detection

Test

Test

Limit Procedure Date Time Analyst

Unit

Results

71 - For the sw846 8260 low level soil analysis, the response of the internal standard Chlorobenzene-d5 was low for both the sample and the sample duplicate.

70 - The VOC library search also tentatively identified 1 unknown compound.

72 - The VOC library search tentatively identified 2-Propanol, 2-Butanone, Acetone, p-Isopropyltoluene, Dimethyl sulfide, Limonene, Undecane, Dodecane, and Tridecane.

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107 Angelica Street Reading, PA 19611

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		City:			S	State:		ZIP:			Phone:			FAX:				Standard	
3. Client Project Name / #: Vo Cal	Laits	4, P.O. No.:	iab #	127			5	i. Sampl	es Name	e: 🗘	o							RUSH:	<i>!</i> /
Matrix Code (for item 12)	Container Codes (for item 13) SIZE TYPE	Prese A = Ascorbic	rvative Code	e (for ite T = NA			1000			eipt Info ature @	rmation		ω.	. N (	Samples S DC 24	Shipped o Method of	r Hand f Shipr	l Delivered	
DW = Drinking Water	2L = 2 Liter V = VOA vial	C = HCI		E = ED		V			And the second of	Acres 19 Mary and	d on lo	e? 🔻		N		Tracking :	#:	hairan d	
GW = Ground Water	L = Liter G = Glass	N = HNO3		L = NH				2.630 学师 在内内	the are said to	Burling Burling	ers Inta	ct?	$\mathbb{W}$	N		Cooler Re	eturn F	ee: <u></u>	<u></u> -
li l	500 = 500ml P = Plastic	S = H2SO4		Z = Zin			STEPS STEPS	<b>生物</b> 上海水平区	Abrilled State	Walleston Kolley	eadspac or attac	ce?	1. Y	N N	*****	ICE CHES	ST NUN	ee: MBER: LAC	
1	250 = 250ml	P = H3PO4 H = NaOH		V = As O = Ot		MCI	P. Color				11.1.1947.11.411.712	COMME!		N	343 P. 1840	Спескеа	oy <u>yese</u>		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
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8. COMPLIANCE PURPOSE:						Ī	16.												
Public Drinking Water: PA	SDWA Forms Required		LFHA	√Real	ty		-	. / ]		- 1				Т	13	Contai	ner:	Size / Ty	ne
PWSID #				DES			iners	1/4							$\Leftrightarrow$				
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Description Description	cription	Date	Time	Composit	Grab	Matrix	Total #								15.	Analy	ses'	Requested	d d
44950 14-9	1273 Belt Pross	10/2/14	134	X		٧>	2	し							Cyan	do (70	14/1	Fre)	
	· · · · · · · · · · · · · · · · · · ·														•	) (uol.	`		270 (sen. Vo
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18. RELINQUISHED BY		19. RECEI	VED BY		·					D/	ATE		TIME		Entered L	y W	Арр	roved by:	deautsta//edi
		R	A							10/2	3/14		144	5	Commen	ts z			
			Zl							101	र्थे।प	1	45	~	2127				
The Client, by signing, or having client	s agent sign, this Chain of Custoo	ly Form, agrees to	oay for the al	bove re	queste	ed serv	ices p	oer the N	JRA Pri	ice List o	r Quotat	ion provi	ded includ	ding any	and all atto	orney fees	if colle	ction becomes r	necessary.



M.J. Reider Associates, Inc.



Attention:

Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/22/14

Lab ID:

0124-14-0043938

Date Collected:

09/29/14 12:56

Collected By:

Client

Date Received:

09/29/14 14:50

Sample Description: 14-9159 Belt Press (Composite, Local Limits)

* Results Expressed as Dry Weight			Detectio	n	Test	2 14:34 2 14:25 1 15:41 3 12:40 2 17:06 1 12:20 2 09:01 1 14:45 2 23:11 2 23:11 2 23:11 2 23:11 1 23:11 1 5:25 2 23:11		
	Results	Unit	Limit	Procedure	Date	Time	Analyst	
CHEMISTRY								
COLORMETRIC								
Cyanide, Free	<2.10	* mg/kg	2.10	DEP 1	10/02	14:34	icl	
Cyanide, Total	5.8	* mg/kg	2.1	10204001x	10/02		-	
Phenols (4AAP)	39	* mg/kg	5.3	EPA 420.4	10/01	15:41	jcl	
Phosphorus as P, Total	17000	* mg/kg	26.3	SM 4500P-E	10/03		hrg	
NITROGENS		-, -			•		J	
Nitrogen, Ammonia	4600	* mg/kg	260	EPA 350.1	10/02	17:06	jcl	
OTHER					•		-	
Biochemical Oxygen Demand	100000	* mg/kg	1050	SM 5210B	09/30	12:20	emw	
(SICAL		-, -			•			
Visual Color	see comment	color	1	VISUAL	10/22	09:01	dsm	
RESIDUES					·			
Total Solids	19.0	%	1	SM 2540G	10/07	14:45	tmh	
INORGANIC					·			
TOTAL								
Antimony, Total	<26.3	* mg/kg	26.3	SW846 6010	10/02	23:11	jxs	
Arsenic, Total	2	* mg/kg	0.5	EPA 200.9	10/09	19:57	mxb	
Beryllium, Total	<2.63	* mg/kg	2.63	SW846 6010	10/02	23:11	jxs	
Cadmium, Total	3	* mg/kg	3	SW846 6010	10/02	23:11	jxs	
Chromium, Total	109	* mg/kg	2.63	SW846 6010	10/02	23:11	jxs	
Copper, Total	526	* mg/kg	2.63	SW846 6010	10/02	23:11	jxs	
Lead, Total	150	* mg/kg	5.3	SW846 6010	10/02	23:11	jxs	
Mercury, Total	3	* mg/kg	1	SW846 7471	10/01	15:25	jxs	
Molybdenum, Total	79	* mg/kg	5.3	SW846 6010	10/02	23:11	jxs	
Nickel, Total	65.8	* mg/kg	2.63	SW846 6010	10/02	23:11	jxs	
Selenium, Total	4	* mg/kg	1	EPA 200.9	10/10	01:01	mxb	
Silver, Total	6.3	* mg/kg	2.6	SW846 6010	10/02	11:51	jxs	
Thallium, Total	<26.3	* mg/kg	26.3	SW846 6010	10/02	23:11	jxs	

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc.

Reviewed and Approved By:

Richard Wolfe Technical Director

Page 1 of 8







M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/22/14

Lab ID:

0124-14-0043938

Date Collected: 09/29/14 12:56

Collected By:

Client

Date Received:

09/29/14 14:50

Sample Description: 14-9159 Belt Press (Composite, Local Limits)

* Results Expressed as Dry Weight			Detection	1	Test	Test	
	Results	Unit 	Limit 	Procedure	Date	Time	Analyst
Zinc, Total	1810	 * mg/kg	2.63	SW846 6010	10/02	23:11	jxs
O&G/TPH							
GENERAL							
N-Hexane Extractable Material (O&G)	27600	* mg/kg	1316	EPA 1664	10/08	06:30	jlv
Silica Gel Treated N-Hexane Extract(TPH)	9079	* mg/kg	1316	EPA 1664	10/09	06:30	jlv
ORGANIC							
ACID COMPOUNDS							
2,4,6-Trichlorophenol	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
2,4-Dichlorophenol	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
?,4-Dimethylphenol	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
2,4-Dinitrophenol	<263	* mg/kg	263	SW846 8270	10/07	18:40	meb
2-Chlorophenol	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
2-Nitrophenol	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
4,6-Dinitro-o-cresol	<263	* mg/kg	263	SW846 8270	10/07	18:40	meb
4-Chloro-3-methylphenol	<105	* mg/kg	105	sw846 8270	10/07	18:40	meb
4-Nitrophenol	<263	* mg/kg	263	SW846 8270	10/07	18:40	meb
Pentachlorophenol	<263	* mg/kg	263	SW846 8270	10/07	18:40	meb
Phenol	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
BASE NEUTRALS							
1,2,4-Trichlorobenzene	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
1,2-Dichlorobenzene (o-Dichlorobenzene)	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
1,2-Diphenylhydrazine (as Azobenzene)	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
1,3-Dichlorobenzene	<52.6	★ mg/kg	52.6	sw846 8270	10/07	18:40	meb
1,4-Dichlorobenzene	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
2,3,7,8-Tetrachlorodibenzodioxin	see comment	mg/kg	2.5	SW846 8270	10/07	18:40	meb
2,4-Dinitrotoluene	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
2,6-Dinitrotoluene	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
2-Chloronaphthalene	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
3,3'-Dichlorobenzidine	<105	* mg/kg	105	SW846 8270	10/07	18:40	meb

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Richard Wolfe Technical Director

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ENVIRONMENTAL TESTING LABORATORY 107 ANGELICA STREET, READING, PA 19611 ETHICS, ACIL Seal of Excellence



M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/22/14

Lab ID:

0124-14-0043938

Date Collected:

09/29/14 12:56

Collected By:

Client

Date Received:

09/29/14 14:50

Sample Description: 14-9159 Belt Press (Composite, Local Limits)

* Results Expressed as Dry Weight			Detection	n	Test	Test	
,	Results	Unit	Limit	Procedure	Date	Time	Analyst
3,4-Benzofluoranthene	<52.6	 * mg/kg	52.6	sw846 8270	10/07	18:40	meb
4-Bromophenyl phenyl ether	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
4-Chlorophenyl phenyl ether	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Acenaphthene	<52.6	* mg/kg	52.6	sw846 8270	10/07	18:40	meb
Acenaphthylene	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Anthracene	<52.6	* mg/kg	52.6	sw846 8270	10/07	18:40	meb
Benzidine	<105	. * mg/kg	105	sw846 8270	10/07	18:40	meb
Benzo(a)anthracene	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Benzo(a)pyrene	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Benzo(ghi)perylene	<52.6	★ mg/kg	52.6	SW846 8270	10/07	18:40	meb
denzo(k)fluoranthene	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Bis(2-chloroethoxy)methane	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Bis(2-Chloroethyl) ether	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Bis(2-Chloroisopropyl) ether	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Bis(2-Ethylhexyl) phthalate	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Butyl benzyl phthalate	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Chrysene	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Di-n-butyl phthalate	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Di-n-octyl phthalate	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Dibenz(a,h)anthracene	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Diethyl phthalate	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Dimethyl phthalate	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Fluoranthrene	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Fluorene	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Hexachlorobenzene	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Hexachlorobutadiene	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Hexachlorocyclopentadiene	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Hexachloroethane	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Indeno(1,2,3-cd)pyrene	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb

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Reviewed and Approved By

Richard Wolfe Technical Director

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STHICS ACIL Seal of Excellence



M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/22/14

0124-14-0043938

Date Collected:

09/29/14 12:56

Collected By:

Client

Date Received: 09/29/14 14:50

Sample Description: 14-9159 Belt Press (Composite, Local Limits)

* Results Expressed as Dry Weight			Detection	n	Test	Test	
	Results	Unit 	Limit	Procedure	Date	Time	Analyst
Isophorone	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Library Search, Semivolatiles	see comment	mg/kg	2.5	EPA 625	10/07	18:40	meb
N-Nitrosodi-n-propylamine	<52.6	∗ mg/kg	52.6	SW846 8270	10/07	18:40	meb
N-Nitrosodimethylamine	<52.6	* mg/kg	52.6	sw846 8270	10/07	18:40	meb
N-Nitrosodiphenylamine	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
Naphthalene	<52.6	* mg/kg	52.6	sw846 8270	10/07	18:40	meb
Nitrobenzene	<52.6	* mg/kg	52.6	sw846 8270	10/07	18:40	meb
Phenanthrene	<52.6	* mg/kg	52.6	sw846 8270	10/07	18:40	meb
Pyrene	<52.6	* mg/kg	52.6	SW846 8270	10/07	18:40	meb
FYTRACTION							
.W846 8081 Extraction	Complete		0	sw846 8081	10/01	09:00	rdd
SW846 8270 Extraction	Complete		0	SW846 8270	10/06	08:30	rdd
PCBS							
PCB-1016	<5.26	* mg/kg	5.26	sw846 8082	10/06	17:02	lak
PCB-1221	<5.26	* mg/kg	5.26	sw846 8082	10/06	17:02	lak
PCB-1232	<5√26	* mg/kg	5.26	sw846 8082	10/06	17:02	lak
PCB-1242	<5.26 ·	* mg/kg	5.26	SW846 8082	10/06	17:02	lak
PCB-1248	<5.26	* mg/kg	5.26	SW846 8082	10/06	17:02	lak
PCB-1254	<5.26	* mg/kg	5.26	SW846 8082	10/06	17:02	lak
PCB-1260	<5.26	* mg/kg	5.26	SW846 8082	10/06	17:02	lak
PESTICIDES							
4,4'-DDD	<5.26	* mg/kg	5.26	sw846 8081	10/06	17:02	lak
4,4'-DDE	<5.26	* mg/kg	5.26	SW846 8081	10/06	17:02	lak
4,4'-DDT	<5.26	* mg/kg	5.26	SW846 8081	10/06	17:02	lak
Aldrin	<5.26	* mg/kg	5.26	SW846 8081	10/06	17:02	lak
alpha-BHC	<5.26	* mg/kg	5.26	SW846 8081	10/06	17:02	lak
beta-BHC	<5.26	* mg/kg	5.26	SW846 8081	10/06	17:02	lak
Chlordane	<26.3	* mg/kg	26.3	SW846 8081	10/06	17:02	lak
delta-BHC	<26.3	* mg/kg	26.3	SW846 8081	10/06	17:02	lak

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc.

Reviewed and Approved By

Richard Wolfe Technical Director

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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/22/14

Lab ID:

0124-14-0043938

Date Collected:

09/29/14 12:56

Collected By:

Client

Date Received:

09/29/14 14:50

Sample Description: 14-9159 Belt Press (Composite, Local Limits)

* Results Expressed as Dry Weight			Detectio	ก	Test	Test	
	Results	Unit	Limit	Procedure	Date	Time	Analyst
Dieldrin	<5.26	* mg/kg	5.26	sw846 8081	10/06	17:02	lak
Endosulfan I	<5.26	* mg/kg	5.26	SW846 8081	10/06	17:02	lak
Endosulfan II	<5.26	* mg/kg	5.26	SW846 8081	10/06	17:02	lak
Endosulfan sulfate	<5.26	* mg/kg	5.26	SW846 8081	10/06	17:02	lak
Endrin	<5.26	* mg/kg	5.26	sw846 8081	10/06	17:02	lak
Endrin aldehyde	<5.26	* mg/kg	5.26	SW846 8081	10/06	17:02	lak
Heptachlor	<5.26	* mg/kg	5.26	SW846 8081	10/06	17:02	lak
Heptachlor Epoxide	<5.26	* mg/kg	5.26	SW846 8081	10/06	17:02	lak
Lindane (Gamma BHC)	<5.26	* mg/kg	5.26	sw846 8081	10/06	17:02	lak
Toxaphene	<5.26	* mg/kg	5.26	SW846 8081	10/06	17:02	lak
ATILES							
1,1,1-Trichloroethane	<0.13	* mg/kg	0.13	SW846 8260	09/30	21:14	gxf
1,1,2,2-Tetrachloroethane	<0.13	* mg/kg	0.13	SW846 8260	09/30	21:14	gxf
1,1,2-Trichloroethane	<0.13	* mg/kg	0.13	SW846 8260	09/30	21:14	gxf
1,1-Dichloroethane	<0.13	* mg/kg	0.13	SW846 8260	09/30	21:14	gxf
1,1-Dichloroethylene	<0.13	≭ mg/kg	0.13	SW846 8260	09/30	21:14	gxť
1,2-Dichloroethane	<0.13	* mg/kg	0.13	SW846 8260	09/30	21:14	gxf
1,2-Dichloropropane	<0.13	* mg/kg	0.13	\$W846 8260	09/30	21:14	gxf
2-Chloroethylvinyl Ether	<0.13	* mg/kg	0.13	SW846 8260	09/30	21:14	gxf
Acrolein	<1.3	* mg/kg	1.3	\$W846 8260	09/30	21:14	gxf
Acrylonitrile	<1.3	* mg/kg	1.3	SW846 8260	09/30	21:14	gxf
Benzene	<0.13	* mg/kg	0.13	SW846 8260	09/30	21:14	gxf
Bromoform (Tribromomethane)	<0.13	* mg/kg	0.13	SW846 8260	09/30	21:14	gxf
Bromomethane (Methyl Bromide)	<0.26	* mg/kg	0.26	SW846 8260	09/30	21:14	gxf
Carbon Tetrachloride	<0.13	* mg/kg	0.13	SW846 8260	09/30	21:14	gxf
Chlorobenzene (Monochlorobenzene)	<0.13	* mg/kg	0.13	\$W846 8260	09/30	21:14	gxf
Chlorodibromomethane	<0.13	* mg/kg	0.13	SW846 8260	09/30	21:14	gxf
Chloroethane	<0.26	* mg/kg	0.26	SW846 8260	09/30	21:14	gxf
Chloroform	<0.13	* mg/kg	0.13	SW846 8260	09/30	21:14	gxf

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc.

Reviewed and Approved By

Richard Wolfe Technical Director

Page 5 of 8







M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/22/14

0124-14-0043938

Date Collected:

09/29/14 12:56

Collected By:

Client

Date Received:

09/29/14 14:50

Sample Description: 14-9159 Belt Press (Composite, Local Limits)

*	Results Expressed as Dry Weight	Results	Unit	Detection Limit	Procedure	Test Date	Test Time	Analyst
	Chloromethane (Methyl Chloride)	<0.26	* mg/kg	0.26	SW846 8260	09/30	21:14	gxf
	cis-1,3-Dichloropropylene	<0.13	* mg/kg	0.13	SW846 8260	09/30	21:14	gxf
	Dichlorobromomethane	<0.13	* mg/kg	0.13	SW846 8260	09/30	21:14	gxf
	Ethylbenzene	<0.13	* mg/kg	0.13	sw846 8260	09/30	21:14	gxf
	Library Search, Volatiles	see comment	mg/kg	.03	SW846 8260	09/30	22:23	gxf
	Methylene Chloride	<0.13	* mg/kg	0.13	SW846 8260	09/30	21:14	gxf
	Tetrachloroethylene	<0.13	* mg/kg	0.13	SW846 8260	09/30	21:14	gxf
	Toluene	0.34	* mg/kg	0.13	SW846 8260	09/30	21:14	gxf
	trans-1,2-Dichloroethylene	<0.13	* mg/kg	0.13	sw846 8260	09/30	21:14	gxf
	trans-1,3-Dichloropropylene	<0.13	* mg/kg	0.13	SW846 8260	09/30	21:14	gxf
	richloroethylene	<0.13	* mg/kg	0.13	SW846 8260	09/30	21:14	gxf
	Trichlorofluoromethane	<0.13	* mg/kg	0.13	SW846 8260	09/30	21:14	gxf
	Vinyl Chloride	<0.26	* mg/kg	0.26	sw846 8260	09/30	21:14	gxf

- 14 SW846 8081/8082 ending CCVs failed laboratory criteria for one or more compounds due to sample matrix interference.
- 15 One of the matrix spike/matrix spike duplicate results was outside of the recommended range but the other passed the criteria for Phenols.
- 16 The VOC library search tentatively identified 1-Propanol, 2-Butanone, Acetone, p-Isopropyltoluene, Dimethyl sulfide, Undecane, Dodecane, Tridecane, and Tetradecane.
- 17 The semi-volatile extract was analyzed for 2,3,7,8-Tetrachlorodibenzo-p-dioxin. There was no indication of the characteristic ion in the extract.
- 18 The elevated reporting limits for the semi-volatiles was due to sample matrix interference.

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

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Richard Wolfe Technical Director

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ACIL Seal of Excellence



M.J. Reider Associates, Inc.



Attention:

Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/22/14

Lab ID:

0124-14-0043938

Date Collected: 09/29/14 12:56

Collected By:

Client

Date Received:

09/29/14 14:50

Sample Description: 14-9159 Belt Press (Composite, Local Limits)

\* Results Expressed as Dry Weight

Detection Limit

Procedure

Test

Date

Time Analyst

19 - One or more semi-volatile compounds had high recovery in the QC but none of these compounds were detected in this sample above the laboratory's reporting limit.

---Resul-ts---

----Un-i-t--

- 20 The sw846 8270 method matrix spike had low and high recovery due to sample matrix interference.
- 21 The sw846 8270 method ccv had low recovery for N-Nitrosodimethylamine and Bis(2-chloroisopropyl)ether.
- The sw846 8270 method ccv had low RF for several compounds.
- 23 The sw846 8270 internal standards: Phenanthrene-d10, Chrysene-d12 had low recovery in the Blank, MS, Sample and Perylene-d12 was low in the Blank.
- 24 The VOC library search also tentatively identified 1-unknown compound.
- 25 The sw846 8270 method surrogate Phenol-d6 had high recovery in the QC and Blank and 2-Fluorophenol was high in the Blank.
- 26 The sw846 8270 method QC had low recovery for Benzidine.
- 27 The svoc library search tentatively identified: three Contanes, Cyclic octaatomic sulfor, Cholestan-3-ol and Cholestan-3-one.

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc.

Reviewed and Approved By

Richard Wolfe Technical Director

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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/22/14

Lab ID:

0124-14-0043938

Date Collected:

09/29/14 12:56

Collected By:

Client

Date Received:

09/29/14 14:50

Sample Description: 14-9159 Belt Press (Composite, Local Limits)

\* Results Expressed as Dry Weight

Detection

Limit Procedure Date

Time Analyst

28 - Visual Color of sample was black with white specs

Results

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

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Richard Wolfe

Technical Director

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ENVIRONMENTAL TESTING LABORATORY 107 ANGELICA STREET, READING, PA 19611 PHONE: 610-374-5129 • FAX: 610-374-7234 • www.mjreider.com

FTHICS ACIL Seal of Excellence

	Reider Associ	ates, Inc.			CHA	IN O	F CI		YDC	REC	ORD		-					
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Readir	ng, PA 19611				(INST	FRUCT	IONS C	N BA	ACK OF	THIS F	ORM)		L	. 1	7J-	L 7 L	6. Report Ty	pe:
Phone	: 610-374-5129 F	AX: 610-374-72:	34	DIST	FRIBUTI	ION: V	White: F	Report	t; Yellov	v: Subn	nitter						Routine	
1. Client (Company or Individual):	,		Address:								•						Standard 0	QC .
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2. Invoice To: (If different from above			Address:														7. Turnarour	nd Time
,	0		City:	***************************************		S	state:		ZIP:			Phone:			FAX:		Standard	
3. Client Project Name / #:	Units	195	4. P.O. No	124				5.		es Nam	e: <b>D</b> /						RUSH:	
Matrix Code (for item 12)	Container Cod			rvative Cod			2				eipt Info					Samples Shipped or		
DW = Drinking Water	SIZE 2L = 2 Liter	TYPE  V = VOA vial	A = Ascorbic A C = HCI	4GIU	T = NA E = E0		J			20 St. 18 St. 18	ature @ s receive	100	e?	Y CAD	(v) <u>0</u>	Tracking #	Shipment:	
GW = Ground Water	L = Liter	G = Glass	N = HNO3		L = NF				4 2 6 8 6 8	100	Contain	Mark Street		\mathre	N -	🗼 🔛 Cooler Retu	urn Fee:	
ww = waste Water	500 = 500ml	P = Plastic	S = H2SO4		Z = Zir				١ ،	/0C's f	ree of H	leadspac	ce?	<b>维斯思,不可以</b>	N N	LE CHESI	NUMBER:	<u> </u>
S = Soil	250 = 250ml	M = Micro	P = H3PO4		V = As		'HCI	100								Checked by		
O = Other	125 = 125ml 40 = 40ml	O = Other	H = NaOH M = Mc	onochloroad	O = O			-  -	17. SPI	ECIALI	INSTRUC	CTIONS/	COMME	NTS:	4< R	e, Cd, Cr, Co	, HS, Pb, 1	no, N: 55,
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43938 Belt	Press 14-	9159	9/29/14	1256	X		0,	2	2							Cyande (7.	orl + Fre	2)
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The Client, by signing, or having	client's agent sign, this	Chain of Custody F	orm, agrees to n	av for the	bove re	aueste	d servir	ces ne	er the M	JRA Pr		<u> </u>	on provid			and all attorney fees if	collection become	s necessary.
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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/22/14

Lab ID:

0124-14-0044082

Date Collected: 09/30/14 11:56

Collected By:

Client

Date Received: 09/30/14 13:11

Sample Description: 14-9193 Belt Press (Composite, Local Limits)

* Results Expressed as Dry Weight			Detection	n	Test	Test		
	Results	Unit	Limit	Procedure	Date	Time	Analyst	
CHEMISTRY								
COLORMETRIC								
Cyanide, Free	<2.27	* mg/kg	2.27	DEP 1	10/02	14:36	jcl	
Cyanide, Total	6.2	* mg/kg	2.3	10204001X	10/02	14:28	jcl	
Phenols (4AAP)	25	* mg/kg	5.7	EPA 420.4	10/01	15:47	jcl	
Phosphorus as P, Total	20200	* mg/kg	28.4	SM 4500P-E	10/03	12:45	hrg	
NITROGENS					·			
Nitrogen, Ammonia	7730	* mg/kg	284	EPA 350.1	10/02	17:11	jcl	
OTHER								
Biochemical Oxygen Demand	83000	* mg/kg	1140	SM 5210B	10/01	13:25	emw	
, SICAL								
Visual Color	see comment	color	1	VISUAL	10/22	09:03	dsm	
RESIDUES								
Total Solids	17.6	%	1	SM 2540G	10/07	14:45	tmh	
INORGANIC								
TOTAL								
Antimony, Total	<28.4	* mg/kg	28.4	SW846 6010	10/02	23:11	jxs	
Arsenic, Total	<0.568	* mg/kg	0.568	EPA 200.9	10/09	19:57	mxb	
Beryllium, Total	<2.84	* mg/kg	2.84	SW846 6010	10/02	23:11	jxs	
Cadmium, Total	3	* mg/kg	3	SW846 6010	10/02	23:11	jxs	
Chromium, Total	110	* mg/kg	2.84	SW846 6010	10/02	23:11	jxs	
Copper, Total	555	* mg/kg	2.84	SW846 6010	10/02	23:11	jxs	
Lead, Total	140	* mg/kg	5.7	SW846 6010	10/02	23:11	jxs	
Mercury, Total	3	* mg/kg	1	SW846 7471	10/01	15:25	jxs	
Molybdenum, Total	74	* mg/kg	5.7	SW846 6010	10/02	23:11	jxs	
Nickel, Total	53	* mg/kg	2.8	SW846 6010	10/02	23:11	jxs	
Selenium, Total	<1.14	* mg/kg	1.14	EPA 200.9	10/10	01:01	mxb	
Silver, Total	5.7	* mg/kg	2.8	SW846 6010	10/02	11:51	jxs	
Thallium, Total	<28.4	* mg/kg	28.4	SW846 6010	10/02	23:11	jxs	

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc. Reviewed and Approved By:

Richard Wolfe Technical Director

Page 1 of 8







M.J. Reider Associates, Inc.



Attention:

Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601 Date of Report:

10/22/14

Lab ID:

0124-14-0044082

Date Collected:

09/30/14 11:56

Collected By:

Client

Date Received:

09/30/14 13:11

Sample Description: 14-9193 Belt Press (Composite, Local Limits)

* Results Expressed as Dry Weight	Results	Unit	Detection Limit	Procedure	Test Date	Test Time	Analyst
Zinc, Total	1880	* mg/kg	2.84	sw846 6010	10/02	23:11	jxs
O&G/TPH					ŕ		
GENERAL							
N-Hexane Extractable Material (O&G)	30280	* mg/kg	1420	EPA 1664	10/08	06:30	jlv
Silica Gel Treated N-Hexane Extract(TPH)	10400	* mg/kg	1420	EPA 1664	10/09	06:30	jlv
ORGANIC							
ACID COMPOUNDS							
2,4,6-Trichlorophenol	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
2,4-Dichlorophenol	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
2,4-Dimethylphenol	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
,4-Dinitrophenol	<284	* mg/kg	284	SW846 8270	10/08	00:37	meb
2-Chlorophenol	<56.8	* mg/kg	56.8	sw846 8270	10/08	00:37	meb
2-Nitrophenol	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
4,6-Dinitro-o-cresol	<284	* mg/kg	284	SW846 8270	10/08	00:37	meb
4-Chloro-3-methylphenol	<114	* mg/kg	114	SW846 8270	10/08	00:37	meb
4-Nitrophenol	<284	* mg/kg	284	SW846 8270	10/08	00:37	meb
Pentachlorophenol	<284	* mg/kg	284	SW846 8270	10/08	00:37	meb
Phenol	<56.8	★ mg/kg	56.8	sW846 8270	10/08	00:37	meb
BASE NEUTRALS							
1,2,4-Trichlorobenzene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
1,2-Dichlorobenzene (o-Dichlorobenzene)	<56.8	* mg/kg	56.8	sw846 8270	10/08	00:37	meb
1,2-Diphenylhydrazine (as Azobenzene)	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
1,3-Dichlorobenzene	<56.8	* mg/kg	56.8	sw846 8270	10/08	00:37	meb
1,4-Dichlorobenzene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
2,3,7,8-Tetrachlorodibenzodioxin	see comment	mg/kg	2.5	SW846 8270	10/08	00:37	meb
2,4-Dinitrotoluene	<56.8	* mg/kg	56.8	sw846 8270	10/08	00:37	meb
2,6-Dinitrotoluene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
2-Chloronaphthalene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
3,3'-Dichlorobenzidine	<114	* mg/kg	114	SW846 8270	10/08	00:37	meb

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc. Reviewed and Approved By:

Richard Wolfe Technical Director

Page 2 of 8







M.J. Reider Associates, Inc.



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Amy L. Morriss

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c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/22/14

Lab ID:

0124-14-0044082

Date Collected: 09/30/14 11:56

Collected By:

Client

Date Received:

09/30/14 13:11

Sample Description: 14-9193 Belt Press (Composite, Local Limits)

* Results Expressed as Dry Weight			Detectio	n	Test	Test	
	Results	Unit	Limit	Procedure	Date	Time	Analyst
3,4-Benzofluoranthene	<56.8	* mg/kg	56.8	sw846 8270	10/08	00:37	meb
4-Bromophenyl phenyl ether	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
4-Chlorophenyl phenyl ether	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Acenaphthene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Acenaphthylene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Anthracene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Benzidine	<114	* mg/kg	114	SW846 8270	10/08	00:37	meb
Benzo(a)anthracene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Benzo(a)pyrene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Benzo(ghi)perylene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
3enzo(k)fluoranthene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Bis(2-chloroethoxy)methane	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Bis(2-Chloroethyl) ether	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Bis(2-Chloroisopropyl) ether	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Bis(2-Ethylhexyl) phthalate	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Butyl benzyl phthalate	<56.8	* mg/kg	56.8	sw846 8270	10/08	00:37	meb
Chrysene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Di-n-butyl phthalate	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Di-n-octyl phthalate	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Dibenz(a,h)anthracene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Diethyl phthalate	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Dimethyl phthalate	<56.8	* mg/kg	56.8	sw846 8270	10/08	00:37	meb
Fluoranthrene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Fluorene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Hexachlorobenzene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Hexachlorobutadiene	<56.8	∗ mg/kg	56.8	SW846 8270	10/08	00:37	meb
Hexachlorocyclopentadiene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Hexachloroethane	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Indeno(1,2,3-cd)pyrene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc.

Reviewed and Approved By

Richard Wolfe

Technical Director

Page 3 of 8







M.J. Reider Associates, Inc.



Attention:

Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report:

10/22/14

Lab ID:

0124-14-0044082

Date Collected: 09/30/14 11:56

Collected By:

Client

Date Received:

09/30/14 13:11

Sample Description: 14-9193 Belt Press (Composite, Local Limits)

* Results Expressed as Dry Weight			Detection	on .	Test	Test	
	Results	Unit	Limit	Procedure	Date	Time	Analyst
Isophorone	<56.8	 * mg/kg	56.8	SW846 8270	10/08	00:37	meb
Library Search, Semivolatiles	see comment	mg/kg	2.5	EPA 625	10/08	00:37	meb
N-Nitrosodi-n-propylamine	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
N-Nitrosodimethylamine	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
N-Nitrosodiphenylamine	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Naphtha lene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Nitrobenzene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Phenanthrene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
Pyrene	<56.8	* mg/kg	56.8	SW846 8270	10/08	00:37	meb
FYTRACTION							
W846 8081 Extraction	Complete		0	SW846 8081	10/01	09:00	rdd
SW846 8270 Extraction	Complete		0	SW846 8270	10/06	08:30	rdd
PCBS							
PCB-1016	<5.68	* mg/kg	5.68	SW846 8082	10/06	18:14	lak
PCB-1221	<5.68	* mg/kg	5.68	SW846 8082	10/06	18:14	lak
PCB-1232	<5.68	∗ mg/kg	5.68	sw846 8082	10/06	18:14	lak
PCB-1242	<5.68	* mg/kg	5.68	SW846 8082	10/06	18:14	lak
PCB-1248	<5.68	* mg/kg	5.68	SW846 8082	10/06	18:14	lak
PCB-1254	<5.68	* mg/kg	5.68	SW846 8082	10/06	18:14	lak
PCB-1260	<5.68	* mg/kg	5.68	sw846 8082	10/06	18:14	lak
PESTICIDES							
4,4'-DDD	<5.68	* mg/kg	5.68	SW846 8081	10/06	18:14	lak
4,4'-DDE	<5.68	* mg/kg	5.68	SW846 8081	10/06	18:14	lak
4,4'-DDT	<5.68	* mg/kg	5.68	SW846 8081	10/06	18:14	lak
Aldrin	<5.68	* mg/kg	5.68	sw846 8081	10/06	18:14	lak
alpha-BHC	<5.68	* mg/kg	5.68	SW846 8081	10/06	18:14	lak
beta~BHC	<5.68	* mg/kg	5.68	sw846 8081	10/06	18:14	lak
Chlordane	<28.4	* mg/kg	28.4	sw846 8081	10/06	18:14	lak
delta-BHC	<28.4	* mg/kg	28.4	SW846 8081	10/06	18:14	lak

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

M. J. Reider Associates, Inc.

Reviewed and Approved By

Richard Wolfe Technical Director

Page 4 of 8







M.J. Reider Associates, Inc.



Attention:

Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601 Date of Report:

10/22/14

Lab ID:

0124-14-0044082

Date Collected:

09/30/14 11:56

Collected By:

Client

Date Received:

09/30/14 13:11

Sample Description: 14-9193 Belt Press (Composite, Local Limits)

* Results Expressed as Dry Weight			Detectio	n	Test	Test	
	Results	Unit	Limit	Procedure	Date	Time	Analyst
Dieldrin	<5.68	* mg/kg	5.68	sw846 8081	10/06	18:14	lak
Endosulfan I	<5.68	* mg/kg	5.68	sw846 8081	10/06	18:14	lak
Endosulfan II	<5.68	* mg/kg	5.68	sw846 8081	10/06	18:14	lak
Endosulfan sulfate	<5.68	* mg/kg	5.68	sw846 8081	10/06	18:14	lak
Endrin	<5.68	* mg/kg	5.68	sw846 8081	10/06	18:14	lak
Endrin aldehyde	<5.68	* mg/kg	5.68	sw846 8081	10/06	18:14	lak
Heptachlor	<5.68	* mg/kg	5.68	SW846 8081	10/06	18:14	lak
Heptachlor Epoxide	<5.68	* mg/kg	5.68	sw846 8081	10/06	18:14	lak
Lindane (Gamma BHC)	<5.68	* mg/kg	5.68	sw846 8081	10/06	18:14	lak
Toxaphene	<5.68	* mg/kg	5.68	SW846 8081	10/06	18:14	lak
ATILES							
1,1,1-Trichloroethane	<0.14	* mg/kg	0.14	sw846 8260	10/01	01:52	gxf
1,1,2,2-Tetrachloroethane	<0.14	* mg/kg	0.14	SW846 8260	10/01	01:52	gxf
1,1,2-Trichloroethane	<0.14	* mg/kg	0.14	SW846 8260	10/01	01:52	gxf
1,1-Dichloroethane	<0.14	* mg/kg	0.14	SW846 8260	10/01	01:52	gxf
1,1-Dichloroethylene	<0.14	* mg/kg	0.14	SW846 8260	10/01	01:52	gxf
1,2-Dichloroethane	<0.14	* mg/kg	0.14	SW846 8260	10/01	01:52	gxf
1,2-Dichloropropane	<0.14	* mg/kg	0.14	sw846 8260	10/01	01:52	gxf
2-Chloroethylvinyl Ether	<0.14	* mg/kg	0.14	SW846 8260	10/01	01:52	gxf
Acrolein	<1.4	* mg/kg	1.4	sw846 8260	10/01	01:52	gxf
Acrylonitrile	<1.4	* mg/kg	1.4	SW846 8260	10/01	01:52	gxf
Benzene	<0.14	* mg/kg	0.14	sw846 8260	10/01	01:52	gxf
Bromoform (Tribromomethane)	<0.14	* mg/kg	0.14	SW846 8260	10/01	01:52	gxf
Bromomethane (Methyl Bromide)	<0.28	* mg/kg	0.28	\$W846 8260	10/01	01:52	gxf
Carbon Tetrachloride	<0.14	* mg/kg	0.14	SW846 8260	10/01	01:52	gxf
Chlorobenzene (Monochlorobenzene)	<0.14	* mg/kg	0.14	sw846 8260	10/01	01:52	gxf
Chlorodibromomethane	<0.14	* mg/kg	0.14	SW846 8260	10/01	01:52	gxf
Chloroethane	<0.28	* mg/kg	0.28	sw846 8260	10/01	01:52	gxf
Chloroform	<0.14	* mg/kg	0.14	SW846 8260	10/01	01:52	gxf

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

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Reviewed and Approved By

Richard Wolfe

Technical Director

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M.J. Reider Associates, Inc.



Attention:

Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report: 10/22/14

Lab ID:

0124-14-0044082

Date Collected: 09/30/14 11:56

Collected By:

Client

Date Received:

09/30/14 13:11

Sample Description: 14-9193 Belt Press (Composite, Local Limits)

*	Results Expressed as Dry Weight			Detection		Test	Test	
		Results	Unit	Limit	Procedure	Date	Time	Analyst
	Chloromethane (Methyl Chloride)	<0.28	* mg/kg	0.28	SW846 8260	10/01	01:52	gxf
	cis-1,3-Dichloropropylene	<0.14	* mg/kg	0.14	SW846 8260	10/01	01:52	gxf
	Dichlorobromomethane	<0.14	* mg/kg	0.14	SW846 8260	10/01	01:52	gxf
	Ethylbenzene	<0.14	* mg/kg	0.14	SW846 8260	10/01	01:52	gxf
	Library Search, Volatiles	see comment	mg/kg	.03	SW846 8260	10/01	01:52	gxf
	Methylene Chloride	<0.14	* mg/kg	0.14	SW846 8260	10/01	01:52	gxf
	Tetrachloroethylene	<0.14	* mg/kg	0.14	sw846 8260	10/01	01:52	gxf
	Toluene	0.52	* mg/kg	0.14	SW846 8260	10/01	01:52	gxf
	trans-1,2-Dichloroethylene	<0.14	* mg/kg	0.14	SW846 8260	10/01	01:52	gxf
	trans-1,3-Dichloropropylene	<0.14	* mg/kg	0.14	SW846 8260	10/01	01:52	gxf
	Trichloroethylene	<0.14	* mg/kg	0.14	SW846 8260	10/01	01:52	gxf
	Trichlorofluoromethane	<0.14	* mg/kg	0.14	SW846 8260	10/01	01:52	gxf
	Vinyl Chloride	<0.28	* mg/kg	0.28	SW846 8260	10/01	01:52	gxf

- 40 SW846 8081/8082 ending CCVs failed laboratory criteria for one or more compounds due to sample matrix interference.
- 41 SW846 8081 method surrogate had high recoveries in the sample.
- 42 Visual Color of sample was dark brown with white specs
- 43 The elevated reporting limits for the semi-volatiles was due to sample matrix interference.
- 44 One or more semi-volatile compounds had high recovery in the QC but none of these compounds were detected in this sample above the laboratory's reporting limit.

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Richard Wolfe Technical Director

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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported to: City of Reading WWTP

c/o City Hall 815 Washington St. Reading PA 19601

Date of Report:

10/22/14

Lab ID:

0124-14-0044082

Date Collected: 09/30/14 11:56

Collected By:

Client

Date Received:

09/30/14 13:11

Sample Description: 14-9193 Belt Press (Composite, Local Limits)

\* Results Expressed as Dry Weight

Results

Unit

Detection Limit

Procedure

Test Date

Test

Time Analyst

- 45 The semi-volatile extract was analyzed for 2,3,7,8-Tetrachlorodibenzo-p-dioxin. There was no indication of the characteristic ion in the extract.
- 46 The sw846 8270 method QC had low recovery for Benzidine.
- 47 The sw846 8270 method ccv had low recovery for N-Nitrosodimethylamine and Bis(2-chloroisopropyl)ether.
- The sw846 8270 method ccv had low RF for several compounds.
- 49 The sw846 8270 internal standards: Phenanthrene-d10, Chrysene-d12 had low recovery in the Blank and the sample and Perylene-d12 was low in the Blank.
- 50 The sw846 8270 method surrogates 2-Fluorophenol and Phenol-d6 had high recovery in the QC and Phenol-d6 was low in the Blank.
- 51 The svoc library search tentatively identified Tritetracontane and Cholestan-3-one.
- 52 The VOC library search tentatively identified Dimethyl sulfide, 4-Isopropyltoluene, Limonene, Undecane, Dodecane, Tridecane, and Tetradecane.
- 53 The VOC library search also tentatively identified 1,2,3-Trimethylbenzene and 2 unknown compounds.

Distribution of Report:

Amy L. Morriss - City of Reading WWTP

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Reviewed and Approved By:

Richard Wolfe

Technical Director

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M.J. Reider Associates, Inc.



Attention: Amy L. Morriss

Reported to: City of Reading WWTP

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Date of Report:

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Lab ID:

0124-14-0044082

Date Collected: 09/30/14 11:56

Collected By:

Client

Date Received:

09/30/14 13:11

Sample Description: 14-9193 Belt Press (Composite, Local Limits)

\* Results Expressed as Dry Weight

Detection

Limit Procedure

Test

Test

Date Time Analyst

54 - For the sw846 8260 low level soil analysis, recovery of the surrogate Dibromofluoromethane was low.

Results

Unit

55 - For the sw846 8260 low level soil analysis, the response of the internal standard Chlorobenzene-d5 was low.

Distribution of Report:

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															8260 (voi	), 8270 (sem: Voi)
															8260 (voi	1), 8270 (sem: Voi) 2), (8082 PCB), 25 (TS+21) Metals,
				·											8260 (vol. 8081 (Fist Phosphore Phenols for	(1), 8270 (Eem: Voi) (2), (8082 PCB), (25 (Total) Metals, (5), 0, 1 and
															8260 (voi. 8081 (Fist Phisphory Phenols A Grause (H	(1), 8270 (sem: Voi) (2), (8082 PCB), (2) (7)+al) Metals, (3) (1) (1) (1) (1) (3) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
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The Client, by signing, or having client's agent sign, this Chain of Custody Form, agrees to pay for the above requested services per the MJRA Price List or Quotation provided including any and all attorney fees if collection becomes necessary.